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Oil, Paint and Drug Reporter

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THE CHEMICAL MARKET AUTHORITY SINCE 1871

Volume 140
Number 11

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September 15, 1941

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Acetone, methyl ethyl ketone, hexone.

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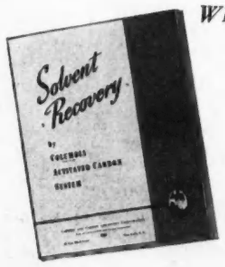

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PRODUCERS OF SYNTHETIC ORGANIC CHEMICALS

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison
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Volume 140 | **September 15, 1941** | **Number 11**

U.S. to Erect 2 More Magnesium Plants

OPD Washington Bureau
September 10, 1941

Jesse Jones, Federal Loan Administrator, announced today that Defense Plant Corporation, and Reconstruction Finance Corporation subsidiary, had arranged for the construction and operation of two more magnesium plants having a combined annual capacity of 112,000,000 pounds of metallic magnesium.

One plant with an annual capacity of 36,000,000 pounds, costing approximately $16,000,000, will be built and operated by Diamond Alkali Corporation, New York, at Painesville, Ohio, the other by Dow Chemical Company on the Gulf of Mexico near Freeport, Tex., with an annual capacity of 72,000,000 pounds, costing approximately $52,000,000. Both plants will be owned by Defense Plant Corporation and operated for its account. They will use the Dow electrolytic magnesium chloride process.

The Diamond Alkali plant will operate on Ohio dolmite, separating the magnesium carbonate, converting it to chloride with chlorine of the company's production, and electrolytically producing the metal from the chloride. The source of its power has not yet been made known and may be an expansion of the company's plant for its alkali operations.

Aluminum Plant

Administrator Jones also announced that Defense Plant Corporation has arranged with Olin Corporation, Alton, Ill., for the construction and operation of an aluminum plant in the vicinity of Tacoma, Washington. This plant will have an annual capacity of approximately 30,000,000 pounds of aluminum and will cost approximately $3,900,000. It will be owned by and operated for account of Defense Plant Corporation.

OPM New York Office To Move to 25 Broad St.

The New York office of the priorities division of the Office of Production Management will be moved to 25 Broad street, where it has taken 25,000 square feet. It is now housed in the Federal Reserve Bank building, 33 Liberty street.

Alcohol Tax Rebate Approved by Senate

OPD Washington Bureau
September 11, 1941

Procedure by which users of distilled spirits in the manufacture or production of an article intended for use for nonbeverage purposes may obtain a revenue tax refund at the rate of $1 per proof gallon, bringing the tax paid down to present rates, was included in the new tax bill by the senate just prior to its passage by that body.

Under this amendment, introduced by Senator Millard Tyding of Maryland, the full new tax would be paid, but the taxpayer would be permitted to file applications for refund within a period of ninety days after the sale of the product, providing he is able to prove that the alcohol was used in either a food or a medicinal product.

Farm Alcohol Subsidy Asks $100,000,000 Fund

OPD Washington Bureau
September 11, 1941

Establishment and operation of plants for the manufacture of alcohol for use as a power fuel from lignite and agricultural products would be authorized under the terms of a bill introduced in the senate by Senator William Langer, of North Dakota. The bill authorizing the appropriation of $100,000,000 to be expended by the Secretary of Agriculture for the construction and operation of the proposed plants.

Major purposes of the bill, it is explained, is to promote the production of lignite, utilize surplus agricultural commodities, and avoid losses to farmers from the waste of certain farm products. The agricultural products among others which would be utilized in the production of alcohol, the bill stated, shall include wheat, corn, barley, oats, rye, potatoes, sweet potatoes,

—Continued on page 52

Chemical Salesmen's Ass'n Discusses Emergency Roles

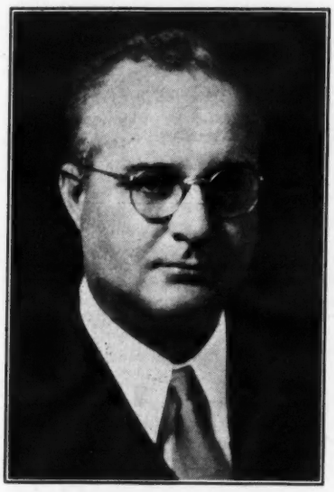
What to do with salesmen in times like these was the absorbing topic of serious discussions at the twentieth anniversary meeting of the Salesmen's Association of the American Chemical Industry, September 5 to 7 at Shawnee-on-the-Delaware, Pa. The sales group provided a deal of helpful advice for the utilization of salesmen with nothing to sell.

The meeting was a memorable one by reason of the large turnout—more than one hundred—and the interest in the business session by more than 90 percent of those registered—and the weather was perfect for golfing.

President W. D. Merrill, of Joseph Turner & Co., officiated at the business session and at the anniversary banquet. Throughout the meeting he had able assistance from half a dozen or more former presidents who were on hand, and the entertainment committee, headed by Phil Lo Bue, of the Turner organization, gave the president and everybody else, a time to remember.

Midgley Receives Priestly Medal

Dr. Thomas Midgley, jr., of the Ethyl Gasoline Corporation, was presented with the Priestly Medal for 1941 by the American Chemical Society, at its 102nd meeting at Atlantic City September 8-12. Dr. Midgley was praised for his outstanding work in the field of anti-knocking motor fuels, his activities in the area of the chemistry refrigerants, his fundamental contributions in rubber research and



Dr. Thomas Midgley, Jr.

—Continued on page 52

Priorities Explained

The why and how of priorities were explained at the business session by Dr. D. P. Morgan, senior consultant in the OPM Chemicals and Allied Products Branch. Defense conditions being in constant change, the speaker pointed out that today's definitions may be away off the mark tomorrow. He also explained the possibility that an industrial dictator would eventually be named as is contemplated in the mobilization plan.

Dr. Morgan gave a sketchy outline of the size and variety of the defense program with its hundred thousand items and millions of parts, tons of blueprints, and miles of specifications. Under the conditions imposed, he averred that the development of the program to date must be regarded as a good job. More time and further organization are needed, and these are being provided encouragingly under the newly created defense board. There must be shortages of essential materials, but the normal needs of industry can be served by conservation, substitution—and priorities.

Predicting a trend toward more defense preferences, Dr. Morgan explained the army and navy critical list of materials, and commented on the multitude of unnecessary requests for preferences which by thousands had clogged the priority machinery. This condition, he expected, would soon be satisfactorily remedied. Shifting to allocations from priorities is being favored, the idea being to have plans as much as possible to the industry chiefly involved as in the chlorine order. The responsibility of industry in defense, he said, is well defined by regulation No. 1. This, he felt, would do much to assume equitable distribution.

—Continued on page 44

Notes on Magnesium Metal

Processes, Patents, Potentialities

The language of competitive industry should be exact and concise. It should not permit loose interpretations of carelessly expressed thoughts; for it is subject to unbelievable repetition, and distortions grow as the story is handed down. The story of metallic magnesium has suffered enormously from a violation of these principles, and this is an attempt to clear up some of the misinformation that has spread daily throughout the press of the United States.

The production of metallic magnesium was reported first in England by Sir Humphrey Davy, and while he more than suggested the metallic character of this element, it was very questionable if he produced any appreciable quantity in a relatively pure form. It was some twenty years later that Bussy, a Frenchman, succeeded in isolating some small quantities of the metal by reduction of the chloride by means of metallic potassium.

In 1852 the German chemist Bunsen actually produced metal by electrolysis of molten magnesium chloride.

The French chemists also interested themselves in the production of metallic magnesium and succeeded in making small quantities of the metal by reduction, first with metallic potassium and later with metallic sodium. However, no important production resulted through these methods and the material remained largely a laboratory curiosity. Following the work of Bunsen, the German chemists took up the work where Bunsen left off. Germany possesses an easily accessible source of inexhaustible quantities of magnesium chloride in the Stassfurt salt deposits. It was at least one metal for which there was abundance of raw material within Germany.

First Plant in Germany

The German chemists perfected the electrolytic procedure of Bunsen and around 1885 established a plant at Hemelingen near Bremen. They elec-

—Continued on page 33

Work for the Salesman With Nothing to Sell

Purchasing Agents Tell of Services Which They Feel Can Be Performed with Material Benefit for Buyer and Seller

(Supplementary to views presented in September 1 and 8 issues)

'Good Relations'

Purchasing Agent

Paperboard Processor

With reference to additional occupations and duties or contacts that salesmen can perform during these trying times, I would enumerate some of my ideas as follows:—

1. Give them a long-needed vacation until this emergency has passed. They did sweat and worry during "those depression years" to no end striving for that "one" order. Let them now go out into the green pastures and leisurely chew on the grass of "once having been on the tough side."

2. The above may be a purchasing agent's first desire, however, and—seriously now—there is probably a more important job for the salesman now than getting that "one" order in 1932—his maintaining a pleasant and friendly relation between his company and his customer. If ever diplomacy played an important part in a salesman's everyday life in calling on the trade, it does now and will for some time to come. We purchasing agents will certainly remember those salesmen that worked with the

—Continued on page 35

OPD Price Index

The OIL, PAINT AND DRUG REPORTER'S relative record of prices for chemicals, oils, and drugs is currently as follows:—

Sept. 12, 1941	Sept. 5, 1941	Sept. 13, 1940
130.3	**128.9**	**99.7**

Acids, dyestuffs and textile and leather chemicals, oils, fats, and waxes, drugs and fine chemicals, botanical drugs, spices, and gums, essential oils and aromatic chemicals, and fertilizer materials are up from the preceding week. Heavy chemicals, coaltar chemicals, and paint, varnish, and lacquer materials are unchanged.

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

Closing Markets

Ergot Easier

Ergot was easier at the close of last week. The market was quoted at $2 per pound but this was subject to moderate shading. Stocks have increased some due to recent arrivals.

Cottonseed Oil Up

Cottonseed oil futures advanced in the local market Friday all months rising above 14 cents. Consumption in August was smaller than expected, amounting to 225,770 barrels against 316,336 in the previous month and 292,553 last year. Lard stocks in Chicago decreased about 50,000,000 pounds in August. A recent O.P.A. ruling concerning trading in oils and fats was amended to exempt markets for futures unless artificial prices as a result of scepulative activity make action necessary to limit trading.

Gleason Heads WageHour Division in New England

OPD Washington Bureau
September 9, 1941

Appointment of Leo A. Gleason as regional director of the Wage and Hour Division for the New England area with headquarters in Boston, was announced today by General Philip B. Fleming, Administrator of the Wage and Hour Division. At the same time General Fleming announced that James Nelson had been named acting assistant regional director.

Defense Materials Price-Index Trend

OPD Washington Bureau
September 9, 1941

During the first week of September the Bureau of Labor Statistics' indexes of market prices for both strategic and critical materials remained unchanged at the level of the last week in August. An advance in prices for graphite, which became effective on August 15, brought the revised index for critical materials to 116.7 percent of the August, 1939, level. The index numbers of market prices of strategic and critical materials are:—

(August, 1939 = 100)

1941.	Strategic.	Critical.
August 23	142.1	116.7*
August 30	141.8	116.7*
September 6	141.8	116.7

* Revised.

Bids Wanted

Aluminum Potassium Sulphate: — 550 pounds; Commanding Officer, Army Air Corps, Sacramento, Calif.; procurement 69, opening September 22.

Aluminum Sulphate: — 50,000 pounds; Quartermaster Corps, Purchasing and Contracting Office, Fort Benning, Ga.; invitation 148-83, opening September 20.

Chlorine:—30,000 pounds; Quartermaster, Fort George G. Meade, Md.; procurement 554-12, opening September 23.

15,000 pounds; Quartermaster, Camp Davis, N. C.; invitation 1454-40, opening September 20.

Cornstarch: — 70,000 pounds; Bureau of Supplies and Accounts, Navy Department, Washington, D. C.; for Great Lakes, Ill.; schedule 8666, opening September 16.

Dibutylphthalate:—160,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 453, opening September 18.

—Continued on page 53

Contents of This Issue

News and Statistics

Anhydrous Ammonia Plant Contracts Awarded ... 31
Asphalt Committee Named to Study Defense Problems ... 59
Alcohol from Farm Products Fund Asked ... 3
Alcohol Tax Rebate Approved ... 3
'Bakelite' Travelcade Now at Phila. Franklin Institute ... 60
Balto. Production Club Hears About Driers ... 60
Benzene Nitration Without Sulphuric Acid ... 36
Carbon Black Moisture Characteristics Given ... 60
Chemical Salesmen Assn. Discusses Emergency Role ... 3
Chain Drug Group Discusses Merchandising ... 4
Chemical Plant Expansions Approved ... 5
Cuban Trade Pact Drug Concessions Are Unopposed ... 5
DCAT Luncheon Sept. 25 to Hear Conger ... 50
Defense Contracts Recently Awarded 53
Devoe & Raynolds Plans Issue of 29,000,000 Shares ... 59
Export Managers Discuss Answers to TFR-300 ... 64
Export Control Office Opened in New Orleans ... 5
Farm Alcohol Subsidy Asks $100,000,000 Fund ... 3
F.T.C. Hits Gifts to Potential Buyers 60
Flaxseed Crop Estimate ... 62
Labor Relations Parley in Phila. October 1 ... 5
Midgley Receives Priestly Medal ... 3
McCormick Heads Group on Army-Navy Recreation ... 52
Murray Dinner Picture ... 64
Northwestern Paint Club Discusses Traffic Paints ... 43
Nitric Acid Tankcar Approval Given by I.C.C. ... 31
Notes on Magnesium Metal ... 3
National Oil Erects Eight Storage Tanks ... 60
N. Y. Paint Club Hears Davis ... 4
N. P. V. L. A. Executive Group Nominees Listed ... 5
N. Y. Paint Club to Meet Sept. 25 .. 44
OPM New York Office to Move to 25 Broad Street ... 3
Paint Sales Data Action Asked by OPM ... 5
Pathe Film to Vote on duPont Deal Oct. 1 ... 60
Penick & Co. Holds Two-Day Sales Meeting ... 4
Petroleum Products Rate Reduction Asked by Railroads ... 59
Petroleum Shortage Held Nonexistent ... 5
Phila. Production Club Studies Materials Exchange ... 43
Resinous Products Issues Booklet on 'Amberlites' ... 43
Standard Synthetics Made Agent for F. Gutkind ... 58
Toilet Goods Group to Study Trade Needs ... 4
Toilet Goods Exchange Bureau Lists Wants, Offers ... 5
Toilet Preparations Wage on U. S. Work Now 40c ... 5
Texas-N. Y. Pipeline Fails to Get Priority on Steel ... 59
Technical Aids Wanted by U. S. Government ... 35
U. S. to Erect Two More Magnesium Plants ... 3
U. S. Making Bid for Australian Lead ... 64
U. S. Imports from Japan Analysis Being Distributed ... 64
Victor Chemical to Issue 54,000 Common Shares ... 31
Wangeman Heads Placement at Carnegie Tech ... 31
Work for the Salesman with Nothing to Sell ... 3
Zinc Stearates Improvements Told .. 60

General Features

Advertisers' Index ... 67
Bids Wanted ... 4
Chemical Price Trends ... 4
Classified Advertisements ... 66
Closing Market Developments ... 4
Contracts Awarded ... —
Corporation Earnings ... —
Defense Materials Price Trend ... 4
Dividends Declared ... —
Editorials ... 28
Foreign Trade Openings ... —
Foreign Trade Rules ... —
Industrial Uses of Chemicals ... 65
Obituaries ... 62
OPD Forum ... —
OPD Price Index ... 4
Prices Current ... 7
Scientific, Professional Services .. 53
Trade News Briefs ... 66
What You Can Use ... 38
Where You Can Sell ... 65

Market Reports

Botanical Drugs, Spices, Gums ... 55
Coaltar Chemicals ... 34
Drugs and Fine Chemicals ... 49
Dyestuffs, Textile and Leather Chemicals ... 37
Essential Oils and Aromatics ... 57
Fertilizer Materials ... 61
Heavy Chemicals ... 30
Oils, Fats and Waxes ... 45
Paint, Varnish and Lacquer Materials ... 39
Petroleum Products ... 59

Shipping Information

Cargo Ship Arrivals ... —
Charters ... —
Coastwise Shipments ... 64
Exports ... 64
Imports ... 63
Imports Detained ... 64

Chemical Price Boosts Strong

There was an increased upward price push last week in the markets for chemicals and related materials. This affected a wide variety of items, from aromatic oils to fertilizers, from glycerin to chlorine. The metallic groups, which have basic price ceilings or threats thereof, were not among reported price changes.

Voluntary systems of allocating essential materials were becoming more in evidence; this accords with the advice of OPM with reference to avoiding priorities. The endeavor to speed up priority requests was encouraging in other circles. The proposed defense inventory of supplies of materials was a puzzle for some.

Prices were advanced on chlorine in tankcars, oxalic acid, oxalates of ammonia and soda, prussiate of soda, No. 1 domestic fluorspar, pyrophylite, domestic nitrate of soda, organic nitrogenates, petroleum cresylic acid, alkal-blue toner, glycerin, gum and steam-distilled wood turpentines, most industrial and edible fatty oils, stearic and oleic acids, halibut-liver oil, egg albumen and yolk, Argentine casein, natural dyeing extracts, some copals, dammars, and elemi, pyrethum concentrate, ginger, and Far Eastern aromatic oils. Higher prices for the fourth quarter were announced on methanol and methylacetone by group B.

Prices were reduced on gum rosin, blackstrap molasses, tapioca flour, and several spices.

The result of the changes is shown in the OPD Price Index at the top of the column to the left.

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N.Y. Paint Club Hears Davis on OPM Problems

Current paint industry problems and the relationship between the industry and the Office of Production Management in regard to these problems were discussed by J. B. Davis, consultant to the protective coating section of the OPM, at a special dinner meeting of the New York Paint, Varnish and Lacquer Association, held September 11 at the Hotel Martinique, this city.

Although the dinner was arranged for the benefit of manufacturers of paint, varnish and lacquer, many raw materials men were included in the estimated 200 diners that packed the room.

Mr. Davis traced briefly the development of the OPM section with

—Continued on page 43

Toilet Goods Group To Study Trade Needs

Following a meeting of toilet goods industry leaders, held in New York, September 9, under the auspices of the Toilet Goods Association, a committee has been appointed to study the question of supplies of materials necessary for the industry. This committee will study and collect statistics relative to the toilet preparations industry's needs so that the association may be in a position to cooperate as closely as possible with government bodies handling defense priorities and civilian supplies. Members of the special committee are:—

H. Gregory Thomas, of Bourjois, Inc.; William M. Bristol, jr., of the Bristol-Myers Company; Northam Warren, of the Northam Warren Corporation; Arthur E. Johnson, of the Colgate-Palmolive-Peet Company; Herman L. Brooks, of Coty, Inc.; Charles S. Oestreich, of the Lander Company, and S. L. Mayham, of the Toilet Goods Association.

Chain Drug Group Discusses Merchandising

Merchandising of basic lines will feature the retail trade drug field as a result of the national defense program, Harry Badanes, vice-president of McKesson & Robbins, Inc., told the semi-annual meeting of the Associated Chain Drug Stores, held in the Waldorf-Astoria last week. Mr. Badanes said that the national defense program will reduce the available supplies of novelties and gadgets. Other speakers included Leo. M. Cherne, executive secretary of the Research Institute of America; Cecil Smith of Yardley & Co. and Louis McIllhenney, president of Stephen Whitman & Co.

Penick & Co. Holds Two Day Sales Meeting

The country-wide sales force of S. B. Penick & Co., botanical drugs and chemicals, this city, gathered at the headquarters office September 9 and 10 in a convention called to study conditions now current as the result of the war to clarify existing problems, and to explore, so far as possible, the probable future trend of conditions and events. Meetings were held in the company offices and in the Railroad-Machinery Club.

The gatherings were under the general guidance of Edwin Allison, sales manager for the organization, who addressed the sales clan on the general policy of the company as evolved by force of world-wide events. Mr. Allison arranged a program which was based mainly on talks by the company officers and the several department heads who spoke on problems already solved and those likely to arise and for which solution must be found.

The program dealt with the changes which the war has already forced in the conduct of business. The problems and difficulties affecting imported drugs were sounded in all their phases and to this was related an exposition of what had been done in the way of the domestic cultivation of botanicals formerly imported but no longer arriving here.

The future readjustments of the business, particularly in the post war period, were discussed by S. B. Penick,

—Continued on page 56

Washington Talks It Over

Observations • Prognostications • Developments

By OPD Observer

Any doubt that the defense administration has been reorganized in fact, as well as on paper, should be dispelled by the series of actions during this week. OPM now means business—and it doesn't mean "business as usual." Defense comes first—and everything else is a poor second. Normal business will holler, and so will a lot of government agencies, but that won't do any good.

Two weeks ago the President created the Supply Priorities and Allocations Board, and made Donald M. Nelson its executive director, also Director of Priorities. Since then things have been happening at a dizzy pace. and before the dust settles there will be a lot more changes in policy, personnel, and procedure around OPM.

Full significance of the new policies will soak in gradually. OPM is concerned with doing things now and letting the public examine the chips later. The period of indecision is over. The new spirit in OPM augurs well for the defense program, but ill for civilian industries which until now have trusted that they could find some way to keep going about their normal routine.

At Last—a Plan

Most important thing SPAB has done yet is to order a survey of what we have and who wants it. Strange, but this was not done before. The old National Defense Advisory Council started out to do this and concluded that we could superimpose the then modest defense program on top of normal business. But the defense program kept increasing by geometrical proportions, and then was added the lend-lease program, first to England and then to all victims of agression and now supplies to Russia, and what is termed the defense aid program (which is not very well understood but includes exports to Latin America). Demands on material supplies and productive capacity grew so great that the old OPM got lost in the confusion.

Now SPAB has ordered all the defense and related agencies to get together and say just what they want and why, and stick to their estimates as long as possible. Next it has ordered a survey of this, that, and the other thing we can produce in the reasonable future. Then it will determine who is to get stated quantities of everything, and when, including U. S. civilian business. Obviously the same ton of steel or barrel of formaldehyde can't go to England, Russia, Brazil, the United States Navy, the airplane industry, and domestic general business; so some of these demands are going to have to wait their turn—and SPAB is going to be tough about their doing so.

OPD Price Ceiling

Hold on to the August 4, 1941, issue of OIL, PAINT AND DRUG REPORTER. It's likely to become a historic document. Reason: Office of Price Administration is using August 1 quotations of most everything as a starting point in fixing price ceilings and warnings, and the August 4 OPD is its bible on everything quoted therein. The price-control bill pending in Congress says prices prevailing on or about July 29 shall be maintained, with stipulated adjustments, and OPA is using this yardstick prior to enactment of such specific legislation. When a complaint is received about the price of something, OPA men look in the August 4 OPD, and if it's above the quotations there they are suspicious of it and ask the seller for an explanation. Sometimes the explanation is valid, but the burden of proof is on the man who goes above the August 1 prices. This may be arbitrary, but OPA says it has to use something as a guide, and the Summer of 1941 was a period of pretty good business and prices, and most quotations of that date can hardly be called depression prices.

Cutting Deep

First actions of SPAB show it has guts to put first things first, make decisions no matter who gets hurt. It denied steel for construction of the big crude oil pipeline which Secretary Ickes has been plugging hard, and it followed this with the announcement that Tennessee Eastman Corporation can't expand its plastics plant, badly as plastics are needed.

Both denials are temporary, but they mean that SPAB is allocating materials to the uses it thinks of greatest immediate importance.

The oil pipeline was being rushed to alleviate the shortage—or threatened or imagined shortage—of gasoline and fuel oil in the East. It was definitely a defense project, one which five of the seven members of SPAB have publicly testified is vitally needed. Under Ickes's spurring, the oil companies have completed expensive surveys of the 1,500 mile line from Texas to New York harbor. But SPAB said the 700,000 tons of steel plate required are needed more urgently for building ships, so the pipeline is put off until its planners can figure some way to use drawn tubing or some other way of avoiding the use of plate.

The proposed plastic plant would have produced plastics badly needed by defense industries, but its construction would have consumed large quantities of critical metals needed for ordnance. SPAB's decision definitely indicates that plant expansion except for immediate defense purposes is taboo.

Glycerin to Be Dumped

The glycerin market is going to be busted wide open by the government very shortly. A direct purchase by the government of some 400 tons from Argentina is now on the boat and will be dumped here for the express purpose of breaking the market. The price of glycerin has been inching up, much to the concern of the army, which can't do business without it. OPA is making a special, hurry-up, survey of the glycerin market, having drafted Dr. N. N. Dalton from the Glycerin Producers Association for the job. From data collected so far it is convinced there is no economic justification for current quotations, so a price ceiling may be slapped on shortly, in addition to the Argentine price-busting deal.

Priorities Speed-Up

Getting priorities has become the largest mail-order business in the country, so Donald Nelson used his old Sears Roebuck training as soon as he was put in charge of the work. The result was startling. Desks piled high with pending priority requests were swept clean, and employees were ordered to act on everything in forty-eight hours, or else. Forms are being simplified and eliminated, rubber stamps are used instead of filling out forms or writing letters, and various office shortcuts are being inaugurated.

The major portion of priority requests is for maintenance and repair of plants. A plan for giving blanket ratings to such orders has been kicking around OPM for two months, but Nelson got out a new one which eliminates paper work entirely. A list of twenty industries, including the production of chemicals by processing raw materials (others will be added later), has been given an A-10 rating for maintenance and repair. All a plant manager has to do is order his stuff in the usual way and write on the order that it is for maintenance and repair of one of the industries named in preference rating order No. P-22. The supplier then gives the order an A-10 rating, and nothing has to clear through Washington.

—*Continued on page 47*

Petroleum Shortage Held Nonexistent

OPD Washington Bureau
September 11, 1941

The estimated shortage of petroleum products on the East coast has been reduced from a daily deficiency of 353,200 barrels to 174,500 barrels through a fuller utilization of every alternative means of transportation, including tankcars, pipelines, barges, and motor trucks, and by the adoption of speedier, more efficient transport operating practices, Deputy Petroleum Coordinator Ralph K. Davies said today following the statement of the special senate committee which has been investigating the "shortage."

The Maloney committee summarized its report as follows:—

Our conclusions may best be summed up by stating that there is no shortage of petroleum products—nor a shortage, as of this date, of transportation facilities—but that the whole frightening picture, from the standpoint of the coordinator's office, seems to lie in the fact that the shortage, which has excited the activity of the coordinator, is really a 'shortage' in a large surplus which is desired. Paradoxical as it sounds, the shortage, as we see it, is a shortage of surplus—and not a shortage of products, or a lack of facilities to transport them.

Chemical Plant Expansions Approved

Of the certificates of necessity approved by the National Defense Advisory Commission from August 16 to August 31, in connection with the construction and acquisition of new manufacturing fact facilities, were the following:—

Aniline Oil:—National Aniline & Chemical Company, New York; $351,000.

Cobalt Powder: — Firth-Sterling Steel Company, McKeesport, Pa.; $145,000.

Dried Eggs: — Henningsen Bros., Inc., New York; $54,000.

Gasoline: — Premier Oil Refining Company, Longview, Tex.; $1,730,000.

Lead Oxide:—E. I. duPont de Nemours & Co., Wilmington; $108,000.

Phenol:—Monsanto Chemical Company, St. Louis; $75,000.

Labor Relations Parley In Phila. October 1

The American Management Association will hold a conference devoted to problems in the field of industrial relations, in the Benjamin Franklin Hotel, Philadelphia, October 1 and 2. The main topics of discussion will be collective bargaining developments; compensation trends; developing better personnel to meet labor shortages; effects of defense production on industrial relations policies.

N.P.V.L.A. Executive Group Nominees Listed

OPD Washington Bureau
September 11, 1941

Nominations for the executive committee of National Paint, Varnish and Lacquer Association to be acted upon at the 1941 annual convention, as announced by the nominating committee, are:—

A. V. Crary, vice-president of the Continental Can Company, New York; Dwight P. Joyce, vice-president of the Glidden Company, Cleveland; Franklin J. Lane, vice-president of the Boston Varnish Company, Boston; S. R. Matlack, president of the George D. Wetherill & Co., Philadelphia; William J. Phelan, president of the Phelan-Faust Paint Manufacturing Company, St. Louis, and J. Heath Wood, president of the Standard Varnish Works, Chicago.

Paint Sales Data Action Asked by OPM

In letters to members of the paint, varnish and lacquer industry, the Office of Production Management today asked immediate return of the classification and percentage forms covering uses of paint, varnish, lacquer and related products based on sales from January 1 to June 30, 1941, which were sent to the trade on August 15 by the National Paint, Varnish and Lacquer Association. Returns will be tabulated September 22 and replies must be furnished prior to that date.

Export Control System Simplified

OPD Washington Bureau
September 8, 1941

The Secretary of State announced today that a revision has been made in the department's system of numbering export licenses, and that all general licenses issued by the department are being replaced by a single general license for each country. This consolidation of numerous licenses under one number does not alter the list of articles and materials which may be exported to the respective countries under general license.

General licenses will be designated hereafter by the letter "G" followed by the number assigned to the respective country of destination. As an example, general license number "G-1" authorizes the exportation to Canada of all those commodities previously authorized by numerous separate general licenses.

The Secretary of State announced

—*Continued on page 64*

Cuban Trade Pact Drug Concessions Unopposed

OPD Washington Bureau
September 10, 1941

Requests for concessions in the proposed trade agreement with Cuba on certain drugs and chemicals of animal origin were unopposed by United States interests before the Committee for Reciprocity Information at the hearings which were concluded today.

It was explained by a committee spokesman that the actual cash value of the drugs which Cuba had asked to be included in the list of products which will be considered for concessions, was negligible, and it is expected that concessions on these products will be granted. The requests covered the following:—

U. S. Tariff Act of 1930, paragraph 5; description of article, all medicinal preparations of animal origin, not specially

—*Continued on page 52*

Toilet Preparations Wage On U.S. Work Now 40c.

OPD Washington Bureau
September 11, 1941

Secretary of Labor Frances Perkins has ordered extension of the determination of the prevailing minimum wages in the drug and medicine industry to include the toilet preparations industry, effective September 19. The action was taken to make the minimum wage required to be paid on governmental contracts coincide with the definition of the drug, medicine and toilet preparations industry as contained in the wage order issued by the Wage Hour Division, which became effective July 7. Miss Perkins also increased the prevailing minimum wage in the industry from 37.5 cents per hour to 40 cents per hour, the

—*Continued on page 58*

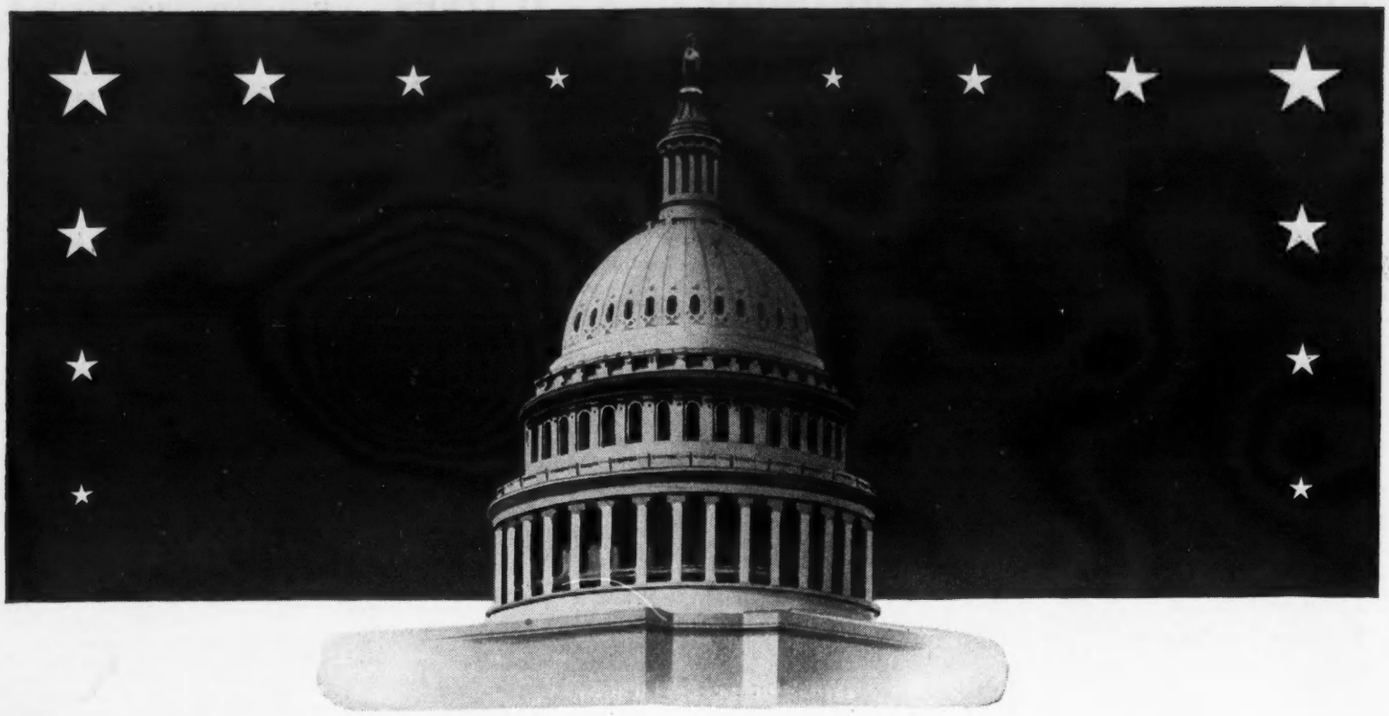
Toilet Goods Exchange Bureau Lists Wants, Offers

The Toilet Goods Association has issued its initial list of wants and offers filed with its raw materials exchange bureau, formation of which was predicated on alleviating the shortage in certain products by acting as the third party in arranging deals between two manufacturing consumer members of the association. The bureau cannot act as broker or to perform other services in transactions between active members and associate members or suppliers.

Materials listed in the column under offers represent stocks in the hands of active members which they will be willing to exchange for other materials. Wants are materials for which active members have expressed an immediate need.

Offers—Ambergris Tincture, Bentonite, Bouvardia, Carnanba wax, Cade Oil, Heliotropin liquid, Iralia, Karaya Gum, Labdanum oil, Liliax, Muguet concrete, Neridol, Nutmeg oil, Orange flower pomade, Reseda flower pomade, Rosaldeine, Styrax Tincture, Vanilla Tincture.

Wants—Ethyl alcohol (S. D. formulas), Isopropyl alcohol, Aluminum chloride, Bergamot oil, Geranium oil, (African and Bourbon), Oak moss, Orange flower liquid absolute, Orris concrete, Strontium sulfide, Ylang-ylang oil.



To Chemical Buyers of the Nation

Material shortages and delays arising from the National Defense Program and the war abroad are affecting more and more industries every day.

Every effort is being made by Mallinckrodt to keep supplies moving as promptly and completely as possible to the trade but it is increasingly evident that all of us must proceed, for a while at least, with reduced quantities of certain materials.

One way that every user of chemicals can help his country and his company to avoid waste and perhaps irreplaceable loss is to make sure that every shipment received is carefully handled and stored, even though for a short time, under conditions that avoid breakage, spoilage, and contamination.

To help insure instant use when needed in your operations, the Mallinckrodt Chemical Works offers its experience of nearly 75 years in supplying information to help avoid deterioration, etc., caused by improper handling and storage conditions.

Any user is welcome to this information on any item in our list which covers over 1500 fine chemicals including Iodides, Ethers, Bismuth Salts, Salicylates, Bromides, Mercury Salts, Stearates, Silver Salts, Nutgall derivatives and many others.

Write Chemical Storage Dept., 2nd & Mallinckrodt Sts., St. Louis, Mo.

MALLINCKRODT CHEMICAL WORKS

Mallinckrodt Street
St. Louis, Mo.

74 Gold Street
New York, N. Y.

CHICAGO • PHILADELPHIA • TORONTO • MONTREAL

Current Market Quotations

September 12, 1941

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, arabic).
Acetal, cbys., works....lb. 1.00 - 1.50
Acetaldehyde, 99%, dms., 55 and 110 gls., works..lb. .11 - —
5 and 10 gls., works....lb. .14 - —
Acetamide, CP, kgs., 5,000 lbs. a year, works..lb. .36 - —
200-lb. lots, works....lb. .38 - —
100-lb. lots, works....lb. .55 - —
5 to 50-lb. lots, works....lb. .70 - —
tech., kgs., 5,000 lbs. a year, works..lb. .28 - —
200-lb. lots, works....lb. .30 - —
100-lb. lots, works....lb. .45 - —
5 to 50-lb. lots, works....lb. .50 - —
Acetanilide, tech., cryst., bbls.lb. .29 - .31
powd., bbls....lb. .27 - .29
USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —
smaller lots....lb. .33 - —
dms., 25-lb lots....lb. .33 - —
kgs., 2,000-lb. lots....lb. .34 - —
smaller lots....lb. .30 - —
powd., bbls., 2-000-lb. lots..lb. .31 - —
smaller lots....lb. .31 - —
dms., 25-lb. lots....lb. .36 - —
kgs, 2,000-lb. lots....lb. .31 - —
smaller lots....lb. .32 - —
Acetoacetanilide, dms....lb. .47 - .65
Acetone, CP, dms., c.l., dlvd..lb. .08½- —
l.c.l., dlvd....lb. .09 - —
tanks, dlvd....lb. .07 - —
Methyl (see M)
Acetonitrile, dms., works....lb. 1.00 - 2.00
Acetophenone, cns., dms....lb. 1.55 - 1.60
Acetophenetidin, bbls., kgs., 1,000 lbs..lb. 1.00 - —
50 lbs., dms....lb. 1.08 - —
25 lbs., dms....lb. 1.10 - —
Acid, abietic, dms., o..., f.o.b. all points in U.S. E. of and including Kans., Neb., N.D., Okla., S.D., Tex. E. of Austin and Brownsville..lb. .08¾- —
l.c.l., same terms....lb. .09 - .12
Acetic, com'l or redist., 28%, bbls..100 lbs. 3.18 - 3.43
cbys., cs....100 lbs. 3.68 - 3.93
56%, bbls....100 lbs. 5.18 - 5.43
cbys., cs....100 lbs. 5.68 - 5.93
70%, bbls....100 lbs. 6.19 - 6.44
cbys., cs....100 lbs. 6.69 - 6.94
80%, bbls....100 lbs. 6.91 - 7.16
cbys., cs....100 lbs. 7.41 - 7.66
glacial, nat., CP, cbys.100 lbs.14.00 - —
99.5%, bbls....100 lbs. 8.30 - 8.55
cbys. ....100 lbs. 8.80 - 9.05
tanks ....100 lbs. 7.50 Nom.
USP, bbls....100 lbs.10.25 -10.50
cbys. ....100 lbs.10.75 -11.00
synth., 99.5%, al. dms.100 lbs. 8.45 - 8.55
tanks ....100 lbs. 6.50 - —
USP XI, al. dms...100 lbs.10.25 -11.00
CP, dms....100 lbs.13.50 -14.00
pure, 80%, bbls....100 lbs. 4.23 - 4.48
cbys., cs....100 lbs. 4.73 - 4.98
36%, bbls....100 lbs. 4.61 - 4.86
cbys., cs....100 lbs. 5.11 - 5.36
60%, bbls....100 lbs. 7.17 - 7.42
cbys., cs....100 lbs. 7.67 - 7.92
80%, bbls....100 lbs. 8.70 - 8.95
cbys., cs....100 lbs. 9.20 - 9.45

Acetic acid price differentials above are for c.l. and l.c.l. quantities, the prices apply delivered within the Metropolitan zones of stock carrying points, and f.o.b. these points for shipment beyond.

Acetic, anhydride, dms., c.l., frt. alld..lb. .11½- —
l.c.l., dms., frt. alld....lb. .13 - —
Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls.lb. .45 - —
standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls..lb. .40 - —
powd., 80 mesh, 200-lb. bbls. lb. .40 - —
Adipic, fib. dms., works....lb. .31 - —
Anthranilic, refd., bbls....lb. 1.15 - 1.20
tech., bbls....lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP, powd., dms., kegs....lb. .20 - .22
Ascorbic, bots., dms....oz. 1.85 - 2.10
Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works. 100 lbs. 1.85 - —
10-25, E. works....100 lbs. 1.95 - —
1-9, E. works....100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more..lb. .42 - —
1,000 to 3,900 lbs....lb. .44 - —
900 lbs. or less....lb. .47 - —
USP, bbls., 4,000 lbs. or more. lb. .54 - —
1,000 to 3,900 lbs....lb. .55 - —
900 lbs. or less....lb. .58 - .59
dms., 4,000 lbs. or more...lb. .55 - .56
1,000 to 3,900 lbs....lb. .56 - .57
99 lbs. or less....lb. .59 - .60
Boric, tech., 99.5%, gran., bulk, frt. alld...ton.93.50 - —
bgs., c.l., frt. alld...ton.96.00 - —
ton lots, ex-whse...ton.108.00 - —
less than ton lots, ex whse,..ton.118.00 - —
bbls., c.l., frt. alld..ton.106.00 - —
ton lots, ex whse..ton.118.00 - —
less than ton lots, ex whse..ton.128.00 - —
powd., bgs., c.l., frt. alld. ton.101.00 - —
ton lots, ex whse..ton.113.00 - —
less than ton lots, ex whse..ton.118.00 - —
bbls., c.l., frt. alld..ton.111.00 - —
ton lots, ex whse..ton.123.00 - —
less than ton lots, ex whse..ton.128.00 - —

USP, $25 per ton higher

Acid, butyric, 99%, dms., c.l., S. Charleston, W. Va..lb. .22 - —
l.c.l., same basis....lb. .23 - —
tanks, same basis....lb. .21 - —
Broenner's, bbls....lb. 1.11 - —
Camphoric, cns....lb. 6.95 - 7.00
Capric, dms....lb. .19½- .20
Caproic, dms., works....lb. .25 - .30
Caprylic, dms....lb. .27 Nom.
Castor oil, split, dms....lb. .17½- .18
Chlorosulphonic, dms., c.l., wks. lb. .03 - —
5-drum lots, works....lb. .03½- —
single drum....lb. .04½- —
tanks, works....lb. .02½- —
Chromic, 99%, dms., c.l., dlvd. N. Y..lb. .16¼- —
l.c.l., 5 tons, dlvd. N.Y. lb. .16¾- —
smaller quantities, dlvd. N. Y..lb. .17¼- .18¼
Cinnamic, refd., bots....lb. 2.85 - 3.25
Citric, cryst., gran., bbls., car lots..lb. .20 - —
10,000-lb. lots, one shipt. lb. .20¼- —
smaller lots....lb. .21 - —
anhydr., gran., dms., 10,000 lbs., one shipt..lb. .23 - —
smaller lots....lb. .23½- .26½

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N.Y.

Cleve's, bbls....lb. .65 - —
Coconut oil, dist., dms....lb. .16½- .17
Cottonseed oil, dist., dms....lb. .13¾- .14¼
tanks ....lb. .13¼- —
Cresylic (coaltar), high-boil 50% 210°-215°, dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
special blends (50, 210°-215°), dms., c.l., works frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
low-boil (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
special blends (50%, 204°-206°), dms., c.l., works, frt. equald..gal. .76 - —
l.c.l., same basis....gal. .78 - —
imported, pale, dms...gal. No price
Cresylic (petroleum), high-boil (240°-300°), 20 or more dms., works..gal. .61 - —
1-19 dms., works....gal. .63 - —
tanks, dlvd., East. U.S.gal. .58 - —
medium-boil (222°-249°), 20 or more dms., works.gal. .67 - —
1-19 dms., works....gal. .69 - —
tanks, dlvd., East U.S.gal. .64 - —
Diethylbarbituric (see Barbital).
Formic, dom., 90%, cbys., c.l., works..lb. .10½- —
l.c.l., 25 cbys. and over..lb. .11 - —
1-24 cbys....lb. .11½- —
Fumaric, tech., special, bbls., ton lots..lb. .27 - —
smaller lots, bbls., dms....lb. .28 - —
Gallic, tech., bbls....lb. 1.05 - 1.08
NF VI, bbls., 200 lbs., 5 or more..lb. 1.22 - —
smaller lots....lb. 1.25 - —
fib. dms., 25 lbs....lb. 1.29 - —
Gamma, bbls....lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs..lb. .12 - —
100-lb. kgs....lb. .15 - —
25 or 50-lb. demij....lb. .21 - .23
5-lb. bots....lb. .29 - —
H. bbls....lb. .45 - —
Hydriodic, 45-47%, cbys....lb. 2.42 - 2.44
5-lb. bots....lb. 2.57 - —
57%, bots....lb. 2.90 - —
Hydrobromic, 10% dilute, cbys., lb. .20 - —
concentrated, 34%, cbys....lb. .35 - —
Hydrochloric (see Muriatic)
Hydrocyanic, cyls., works....lb. .80 - 1.00
Hydrofluoric, 30%, bbls....lb. .06 - .06½
rubber, dms....lb. .08 - .08½
48%, lead, cbys....lb. .12 - —
rubber, dms....lb. .11 - —
52%, lead, cbys....lb. .13 - —
rubber, dms....lb. .12 - —
60%, lead, cbys....lb. .14 - —
rubber, dms....lb. .13 - —
Hydrofluosilic, 30-35%, 420 lbs., bbls..lb. .09 - .09¼
Hypophosphorus, U S P, 30%, djns..lb. .75 - .80
Lactic, tech., dark, 22%, bbls., c.l., works..100 lbs. 2.50 - —
l.c.l., works....100 lbs. 2.75 - —
cbys., works...100 lbs. 3.75 - —
44%, bbls., c.l., works.... 100 lbs. 5.50 - —
l.c.l., bbls., works.... 100 lbs. 5.75 - —
cbys., works...100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., works....100 lbs. 3.75 - —
cbys., works...100 lbs. 4.75 - —
44%, bbls., c.l., works.... 100 lbs. 6.50 - —
l.c.l., works....100 lbs. 6.75 - —
cbys., works...100 lbs. 7.75 - —
50%, edible, 20 or more, cbys..lb. .10½- .11½
5 to 19 cbys....lb. .11 - .12
1 to 4 cbys....lb. .11½- .12½
plastic grade, bbls., cbys., 20 or more..lb. .12½- .13½
5 to 10, cbys....lb. .12¾- .13¾
1 to 4, cbys....lb. .13¼- .14½
50%, bbls., cbys., 5 or more.lb. .21 - .22
1 to 4, cbys....lb. .21½- .22½

Acid, lactic, USP, XI, 85%, cbys. lb. .42 - .45
USP. VIII, 75%, cbys....lb. .40 - .43
Lauric, dist., tech., dms....lb. .18 - .18½
Laurent's, bbls....lb. .45 - —
Linseed oil, light, dms....lb. .17 - .17½
Maleic, powd., dms....lb. .30 - —
anhydride, dms., c.l....lb. .25 - —
l.c.l. ....lb. .26 - —
Malic, powd., kegs....lb. .47 - —
Mandelic, dms., 1,000 lbs....lb. 2.05 - —
smaller lots....lb. 2.10 - 2.15
Mixed, tanks, nitric unit....lb. .05 - .06
sulphuric unit....lb. .0085- .009
Molybdic. kegs, works....lb. .95 - 1.10
Monochloracetic, tech., bbls..lb. .15 - .18
Monosulphonic, bbls....lb. 1.50 - —
Muriatic, 18°, cbys., c.l., E., works..100 lbs. 1.50 - —
l.c.l., 25 and over E. works..100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, works....100 lbs. 1.05 - —
20°, cbys., c.l., E. works. 100 lbs. 1.75 - —
l.c.l., 25 and over, works. 100 lbs. 2.00 - —
10 to 24, works...100 lbs. 2.10 - —
1 to 9, works...100 lbs. 2.70 - —
tanks, works....100 lbs. 1.15 - —
22°, cbys., c.l., E. works. 100 lbs. 2.25 - —
l.c.l., 25 and over, works. 100 lbs. 2.50 - —
10 to 24, works...100 lbs. 2.60 - —
1 to 9, works...100 lbs. 3.20 - —
tanks, works....100 lbs. 1.65 - —
CP, dealers, cbys....lb. .06½- —
6-lb. bots....lb. .17½- —
consumers, cbys....lb. .06 - —
6-lb. bots....lb. .19 - —
Myristic, dist., dms....lb. .18 - .18½
Naphthenic, dom., acidity 160 dms., c.l., works..lb. .06½ Nom.
l.c.l., works....lb. .07 Nom.
tanks, works....lb. .06 Nom.
220 min. acidity, dms., c.l., works..lb. .09 Nom.
l.c.l., works....lb. .09½ Nom.
tanks, c.l., works....lb. .08 Nom.
240 min. acidity, dms., c.l., works..lb. .10 Nom.
l.c.l., works....lb. .10½ Nom.
tanks, works....lb. No prices
Nicotinic, 100-lb. cns....lb. 7.15 - —
50-lb. cns....lb. 7.25 - —
25-lb. cns....lb. 7.30 - —
5-lb. bots....lb. 7.40 - —
1-lb. bots....lb. 7.50 - —
Nitric, 36°, cbys., c.l., E. works. 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works..100 lbs. 5.25 - —
10 to 24, works...100 lbs. 5.35 - —
1 to 9, works...100 lbs. 5.95 - —
38°, cbys., c.l., E. works. 100 lbs. 5.50 - —
Western works...100 lbs. 5.75 - —
l.c.l., 25 and over, E. works..100 lbs. 5.75 - —
10 to 24, works...100 lbs. 5.85 - —
1 to 9, works...100 lbs. 6.45 - —
40°, cbys., c.l., E. works. 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works..100 lbs. 6.25 - —
10 to 24, works...100 lbs. 6.35 - —
1 to 9, works...100 lbs. 6.95 - —
42°, cbys., c.l., E. works. 100 lbs. 6.50 - —
l.c.l., 25 and over, works. 100 lbs. 6.75 - —
10 to 24, works...100 lbs. 6.85 - —
1 to 9, works...100 lbs. 7.45 - —
CP, USP, dealers, cbys....lb. .11½- —
7-lb. bots....lb. .21½- —
consumers, cbys....lb. .13 - —
7-lb. bots....lb. .28 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works. lb. .11¼- —
10,000 lbs. or over....lb. .11½- —
smaller quantities....lb. .12½- .14½
Palm oil, white, dist., dms..lb. .13½- .14
tanks ....lb. .13 - —
Paraminobenzoic, cns....lb. 1.40 - —
Paranitrobenzoic, cns....lb. .72 - —
Phenylacetic, bots....lb. 1.45 - 1.95
Phosphoric, 50%, pure food grade, c.l., bbls., works, frt. equald.... 100 lbs. 4.25 - —
cbys., works, frt. equald. 100 lbs. 4.60 - —
l.c.l., 10 or more, works, frt. alld.100 lbs. 5.50 - 6.25
1 to 9 cbys., works, frt. alld..100 lbs. 6.50 - 7.25
tankwagons, dlvd., N.Y., Phila. Met. area..... 100 lbs. 4.00 - —
75% pure food grade, c.l., bbls., works, frt. equald..100-lbs. 5.00 - —
cbys., works, frt. equald. 100 lbs. 5.35 - —
l.c.l., 10 or more, works, frt. alld.100 lbs. 7.25 - 8.50
1 to 9 cbys., works, frt. alld..100 lbs. 8.25 - 9.50
tankcars, works, frt. equald..100 lbs. 4.25 - —
tankwagons, dlvd., N.Y., Phila. Met. area..... 100 lbs. 4.75 - —
USP, 85%, s. g., 1,710 cbys., 180 lbs..lb. .12 - —
50%, s. g., 1,347, cbys., 70 lbs..lb. .10½- —
dms., 25 lbs....lb. .13 - —
10%, dilut., cbys., djns...lb. .07 - .07½
Picramic, kgs....lb. .65 - .70
Picric, bbls....lb. .35 - —

Acid, propionate, synth., pure, 55-gal. dms., returnable, works..lb. .14 - —
tanks, works....lb. .11 - —
Pyrogallic, tech., lump, powd., bbls..lb. 1.35 - —
cns. ....lb. 1.53 - —
USP, cryst., cns....lb. 2.00 - —
resub., cns....lb. 2.50 - —
Pyroligneous, bbls., dlvd. E.gal. .25 - —
Ricinoleic, com'l, split (see Acid, castor oil, split).
tech., dms., works....lb. .32 - .37
Salicylic, tech., bbls....lb. .33 - —
USP, bbls....lb. .35 - .38
Sebasic, CP, bbls., works....lb. No prices
tech., bbls., works....lb. No prices
Soybean oil, dist., dms....lb. .16½- .17
Stearic, dist., double pressed, bgs., dlvd..lb. .14¼- .15¼
single pressed, bgs., dlvd..lb. .13¾- .14¾
triple pressed, bgs., dlvd...lb. .17 - .18
saponif., double pressed, bgs., dlvd..lb. .14½- .15½
triple pressed, bgs., dlvd..lb. .17¼- .18¼
Succinic, bbls....lb. .75 - —
Sulphanilic, CP, bots., works.lb. 1.60 - 1.65
tech., dms., works....lb. .17 - —
Sulphonaphthenic, dms....lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works..100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works...100 lbs. 1.60 - —
1 to 9, works...100 lbs. 2.20 - —
tanks, E., works....ton.13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works...100 lbs. 1.85 - —
1 to 9, works...100 lbs. 2.45 - —
tanks, E., works....ton.16.50 - —
98°, tanks, works....ton.17.50 - —
CP, USP, dealers, cbys....lb. .06½- —
9-lb. bots....lb. .15½- —
consumers, cbys....lb. .06 - —
9-lb. bots....lb. .17 - —
fuming, 20%, tanks, E. works. ton.18.50 - —
Tannic, tch., bbls., dms....lb. .66 - .68
USP, fluffy, bbls., 1,000-lb. lots..lb. 1.13 - —
100-lb. lots....lb. 1.15 - —
25-lb. lots....lb. 1.18 - —
powd., bbls., 1,000 lbs....lb. 1.03 - —
smaller lots....lb. 1.05 - —
Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipt...lb. .70½- —
smaller quantities....lb. .71 - —
kgs. ....lb. .71½- —
Tobias, bbls....lb. .55 - .60
Trichloracetic, bots....lb. 2.00 - 2.50
Tungstic, CP, kgs., works...lb. No prices
Aconite, leaves, bls....lb. .38 - .42
Root, bls....lb. 1.10 - 1.15
Aconitine, amorph., bots....oz.23.00 -28.00
15-gr. vials....vial. 1.00 - —
cryst., bots....oz.42.00 - —
15-gr. vials....vial. 1.60 - —
Acrylonitrile, dms., c.l....lb. .34½- —
5,000 lbs. or more....lb. .35 - —
1 ton to 4,999 lbs....lb. .35½- —
1 dm. to 1 ton....lb. .36 - —
tank cars....lb. .34 - —
Adeps lanae, anhyd., dms....lb. .19 - .20
hyd., dms....lb. .17 - .18
Agar, 1 bls....lb. 2.00 Nom.
Agaric, white, bls....lb. No stocks
Albumen, blood, dark, flake, c.l., f.o.b. Chicago, frt. alld..lb. .10 - —
ton lots, frt. alld....lb. .12 - —
bgs., same basis....lb. .13 - .15
light, dom., flake, dms., f.o.b. Chicago, frt. alld..lb. .65 - .75
import, bgs....lb. No prices
Egg, ed., dom., cryst., bbls..lb. 1.70 - 1.75
powd., dms., bbls....lb. 1.75 - 1.80
import, cs....lb. No prices
Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld..lb. .131 - —
l.c.l., frt. alld....lb. .141 - —
tanks, frt. alld....lb. .121 - —
normal, dms., l.c.l., works..lb. .25 - —
Tertiary, refd., dms., l.c.l., frt. alld..lb. .09 - —
Benzyl, cns....lb. .65 - .75
drums ....lb. .63 - —
Butyl, normal, dms., c.l., frt. alld..lb. .11 - —
l.c.l., frt. alld....lb. .11½- —
tanks, frt. alld....lb. .10 - —
tankwagon, frt. alld....lb. .09½- .10½
secondary, dms., c.l., frt. paid E. of Miss. R..lb. .09 - —
l.c.l., same terms....lb. .09½- —
tanks, same terms....lb. .08 - —
tertiary, denaturing, c.l., dms. lb. .12½- —
l.c.l., dms....lb. .13 - —
Cetyl, dom., CP, fiber ctns., 1,000 lbs..lb. 1.50 - —
500 lbs....lb. 1.70 - —
100 lbs....lb. 1.80 - —
25 lbs....lb. 1.90 - —
5 lbs....lb. 2.00 - —
Cinnamic, bots....lb. 2.80 - 3.40
Denatured, CD14, dms., c.l., dlvd. E...gal. .36½- .38½
l.c.l., dlvd., dms....gal. .41½- .43½
tanks, E., dlvd....gal. .30½- .32½

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

Alcohol—Benzoyl Chloride

Alcohol, SD1 190 pf., bbls., c.l., E. works..gal. .35 - —
19 bbls., E. works..gal. .37 - —
1 to 18 bbls., E. works..gal. .40 - —
dms., c.l., E. works..gal. .33 - —
19 dms., E. works...gal. .35 - —
1 to 18 dms.....gal. .38 - —
tanks, E. works.....gal. .27 - —

Anhydrous 3c. per gal. higher.

SD2B, dms., c.l., works, E. gal. .30½- —
19 dms., works, E...gal. .32½- —
1 to 18 dms., works, E. gal. .35½- —
tanks, E. works.....gal. .24½- —

SD23G, works, E., c.l., dms., gal. .36½- —
19 dms.....gal. .38½- —
1 to 18 dms.....gal. .41½- —
tanks .....gal. .30½- —

Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.

Special solvent, dms., c.l., works..gal. .34 - —
20 dms., to c.l.....gal. .36 - —
1 to 19 dms.....gal. .39 - —
tanks, E. works.....gal. .28 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, acetone-free, dms., c.l., dlvd..lb. .11½- .12
l.c.l., dlvd.....lb. .12 - .12½
tanks, dlvd.....lb. .10½- .11
tech., dms., c.l., dlvd.....lb. .11 - —
l.c.l., dlvd.....lb. .11½- —
tanks, dlvd.....lb. .10 - —

Ethyl, 190 pf., ex. molasses, dms., c.l..gal. 6.02½- —
19 dms.....gal. 6.06 - —
5 to 8 dms.....gal. 6.09 - —
1 to 4 dms.....gal. 6.09 - —
tanks .....gal. 5.96½- —
absolute, dms., c.l.....gal. 6.37½- —
19 dms.....gal. 6.41 - —
5 to 18 dms.....gal. 6.44 - —
1 to 4 dms.....gal. 6.44 - —

Ethyl alcohol in bbls. 2c. higher than dms.

Grain alcohol 25c. gal. higher.

Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .23 - —

Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .25 - —

Isoamyl (see Carbinol Isobutyl).

Isobutyl, refd., dms., works..lb. .0860- —
tanks, same terms.....lb. .0760- —

Isopropyl, refd., 91%, dms., 5 gals., f.o.b. dest..gal. .66½- —
55 gals., c.l., same basis, gal. .35 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99%, dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .38 - .44
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37½

Methyl (see Methanol).

Phenylethyl, bots., cns.....lb. 2.10 - 2.50

Polyvenyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .69 - —
less than 2,000 lbs.....lb. .65 - —

Propyl, normal, dms., works, gal. .67 - .70

Octyl (see ethylhexyl alcohol).

Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N.Y.lb. .44 - —
450-lb. lots, same basis...lb. .50 - —
cns., f.o.b. Cedar Rapids, Ia., lb. .55 - —

Aldehol, denat., grade.. dms., tanks, works..gal. .70 - .72

Aldehyde, bisulphite, bbls., works, lb. .17 - —
smaller containers.....lb. .20 - —

Aldol, 55 and 110 gal. dms., c.l., works..lb. .12 - —
l.c.l., works.....lb. .13 - —
5-10-gal. dms., works...lb. .15 - —

Aletris root, bgs.....lb. .39 - .40

Alizarin (see Red, alizarin).

Alkanet root, bgs.....lb. .67 - .69

Allspice, Mexican, bgs.....lb. .11½- .12

Alpha tocopherol, ampules, per gram. 1.00 - 1.10

Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .68 - .70
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .58 - .60

Aloin, 140-lb. bbls.....lb. 4.60 - —
100-lb. kgs.....lb. 4.62 - —
25-lb. fib. dms.....lb. 4.69 - —

Alphanaphthol, bbls.....lb. .52 - —

Alphanaphthylamine, bbls.....lb. .32 - —

Althea root, USP, cube cut, bbls., lb. 1.20 Nom.

Alum, ammonia, burnt, USP., bbls., kgs..lb. .16 - .18
gran., bbls., works....100 lbs. 3.50 - —
dlvd., N. Y., Phil..100 lbs. 3.50 - —
lump, bbls., works....100 lbs. 3.75 - —
dlvd., N. Y., Phil..100 lbs. 3.75 - —
powd., bbls., works....100 lbs. 3.90 - —
dlvd., N. Y., Phil..100 lbs. 3.90 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N. Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd., N.Y. price apply to truck or ex warehouse.

Potash, gran., bbls., works.... 100 lbs. 3.75 - —
dlvd., N. Y., Phila....100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
dlvd., N. Y., Phila....100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd., N. Y., Phila....100 lbs. 4.15 - —

Potash alum prices on same basis as those for ammonia alum.

Potash, chrome, bbls.....lb. No prices

Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00

Alumina acetate, tech., basic, powd., insoluble, bbls., 1 to 9, dlvd.....lb. .40 - —
smaller containers...lb. .50 - —

solut., 24%, l.c.l., 10 or over, dlvd..lb. .09½- —
1 to 9, dlvd.....lb. .10 - —

normal, solut., 20%, bbls., l.c.l., 10 or over, dlvd., lb. .08½- —
1 to 9, dlvd.....lb. .09 - —

Chloride, anhyd., com'l, dms., (extra), 45,000 lbs. and over, works..lb. .08 - —
12,000 to 40,000 lbs., works..lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 375 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —

cryst., com'l, dms., c.l., works, lb. .06 - —
l.c.l., works.....lb. .06½- .06¾

solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —

Formate, 30%, solut., bbls., c.l., dlvd..lb. .13 - —
l.c.l., dlvd.....lb. .15 - —

Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., dlvd.....lb. .14 - —
l.c.l., bgs., dlvd.....lb. .14½- —
bbls., c.l., dlvd.....lb. .14½- —
l.c.l., bbls., dlvd.....lb. .15 - —

Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20

Palmitate, precip., bbls.....lb. .20½- .21½

Resinate, precip., dms., dlvd.lb. .15 - —

Stearate, precip., bbls., ctns., c.l..lb. .21 - —
l.c.l. .....lb. .22 - —

Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled, 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.10 - —
bbls., c.l., works....100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.30 - —

Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l. .....lb. .18 - —

paste, lining, extra fine, dms., 1,500 lbs..lb. .60½- —
ink, dms., 1,500 lbs.....lb. .70½- —
standard, dms., 1,500 lbs...lb. .37½- —

powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs.lb. .57 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs.lb. .44 - —
lining, dms., 1,500 lbs....lb. .57 - —
standard, dms., 1,500 lbs.lb. .39 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs., lb. .36 - —

varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs.lb. .38 - —

Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ½ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb lower. Trasnportation allowed East of Mississippi.

Ambergris, gray, tins.....oz.17.00 -18.00

Aminomethylpropanol, dms., wks., lb. .50 - —
5 and 10-gal. cans, works..lb. .60 - —

Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.25 - —

Ammonia aldehyde, dms., works, lb. .65 - .70

Anhydrous, fertilizer, f. o. b. Belle, W. Va., frt. equal with Hopewell, Va..ton.90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., dlvd., met. N.Y., lb. .16 - —

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02½- —
l.c.l .....lb. .02¾- —
tanks (on NH_3 content), f.o.b. works..lb. .04 - —

Benzoate, dms., kgs., 4,000 lbs. or more..lb. .43 - —
1,000 lbs. to 3,900 lbs....lb. .44 - —
900 lbs. or less.....lb. .47 - —

Bicarbonate, dms., dlvd. Met. N.Y..lb. .0564- .0614

Bichromate, bbls.....lb. .30 - .32

Bifluoride, bbls.....lb. .15½- .17

Borate, bbls., kgs.....lb. .15 - .16

Bromide, gran., bbls.....lb. .31 - .35
bxs. .....lb. .34 - .38
kegs .....lb. .32 - .36

Carbonate, lump, dms., dlvd. Met. N. Y..lb. .06¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.

Chloride, tech. (see Ammoniac, sal).
USP, gran., 225-lb. bbls....lb. .12 - .13
100-lb. kgs.....lb. .15 - —

Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
25-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85

Fluoride, bbls.....lb. .20 Nom.

Hydroxide (see Ammonia, aqua),

Hypophosphite, dms.....lb. 1.25 - 1.27
jars .....lb. 1.35 - —

Iodide, 5-lb. bots.....lb. 3.71 - —
jars .....lb. 3.85 - —

Linoleate, 80%, anhyd., bbls., lb. .12 - —

Molybdate, kgs., works.....lb. 1.05 - 1.20

Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —

Oleate, dms.....lb. .14 - —

Oxalate, neutral, powd., bbls., kgs..lb. .28 - .29

Perchlorate, kgs.....lb. No stocks

Persulphate, kgs, dom.....lb. .21 - .28

Ammonia, phosphate, dibasic, NF V, bls..lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼
monobasic, crude (fert. grade), 11% N., 48% phos., bulk, f.o.b. E. works..unit-ton. No prices
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l. .....lb. .08¾- .09¼

Salicylate, USP, kgs.....lb. 1.15 - 1.20

Silicofluoride, bbls.....lb. .11½- .15

Stearate, anhydrous.....lb. .24½- —

paste .....lb. .06½- —

Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, July-Dec. shipt..ton.29.00 - —
spot, same basis.....ton.30.00 - —

Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.

Sulphide, liquid, 40-45%, basis, 100%, dms., c.l., works, lb. .07½- —
l.c.l., dlvd.....lb. .15 - —
tanks, dlvd.....lb. .07½- —
red, 48%, cbys., works.....lb. .08 - —
dms., works.....lb. .06 - —
yellow, 33%, cbys., works..lb. .08 - —
dms., works.....lb. .06 - —

Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —

Ammoniac, gum (see Gum, ammoniac).
sal, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, cake.....100 lbs. No prices

Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .12½- —
l.c.l., dlvd.....lb. .13 - —
tanks, dlvd.....lb. .11½- —
cns., works.....lb. .18 - —
ex Pentane, dms., c.l., frt. alld..lb. .12½- —
l.c.l., frt. alld.....lb. .13½- —
tanks, frt. alld.....lb. .11½- —

Alcohol (see Alcohol amyl).

Butyrate, dms., 50 gal., returnable..lb. .75 - —

Caporate, cns.....lb. 2.75 - —

Chlorides, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .06 - —
l.c.l., works.....lb. .07 - —
tanks, works.....lb. .05 - —

Naphthalenes, mixed, crude, l.c.l., dms., works..lb. .14 - —
refd., l.c.l., dms., works..lb. .16 - —

Nitrite, bots.....lb. 1.80 - 1.85

Mercaptan, dms., l.c.l., works, lb. 1.10 - —

Oleate, dms., l.c.l., works...lb. .25 - —

Salicylate, 5-lb. bots.....lb. .63 - .65
cns. .....lb. .55 - .60

Stearate, dms., l.c.l., works..lb. .26 - —

Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —

Anethol, bots.....lb. 1.25 - 1.60
cans .....lb. 1.15 - 1.50

Angelica root, dom., bls.....lb. .50 - 1.75
import., natural, bls.....lb. 1.60 - 1.65

Angostura bark, bls.....lb. .30 - .35

Anilin oil, dms.....lb. .15 - —
l.c.l. .....lb. .16 - —
tanks .....lb. .14½- —

Salt, dms., works.....lb. .22 - .24

Anise, Bulgarian, bgs.....lb. .37 - .38
Cyprus, bgs.....lb. .40 - .42
Star .....lb. .18½- .19
Turkish, afloat, bgs.....lb. .33 - .35

Anisic aldehyde, bots.....lb. 2.75 - 2.80

Annatto paste, bxs.....lb. .34 - .39
seed, bgs.....lb. .06 - .06½

Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., works.....lb. .65 - —

Anthraquinone, 99.5%, subl., bbls., lb. .70 - —

Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 - —
Needle, brown, Bolivian, 67%, lb. .17 - .18
Chinese, black, 70%.....lb. .22 Nom.
Oxide, bgs., c.l.....lb. .13 - .15
l.c.l. .....lb. .14½- .16½
Salt, 65%, dms., dlvd. E. of Miss. River..lb. .33 - —
bbls., same basis.....lb. .31 - —
White pigments, bgs.....lb. .11½- .14½

Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.20

Apomorphine, bots.....oz.23.20 -23.70

Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices

Areca nuts, powd., bbls.....lb. .15 - .16

Arecoline hydrobromide, bots..oz 6.00 - 7.25

Argols, test 70% to 85%, basis 100%, 100 kgm., purity.... 100 kilos. No prices

Arnica flowers, bls.....lb. 5.00 Nom.
Root, bls.....lb. 1.50 Nom.

Arrowroot, St. Vincent, powd., bgs..lb. .10¼- .10¾
bbls. .....lb. .10 - .10½

Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars .....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .04 - —
l.c.l. .....lb. .04¾- —

Asafetida, cs.....lb. .45 - .50
powd., bbls., bxs.....lb. .68 - .73

Asbestine (see Talc. N.Y. fibrous).

Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.15.00 - —

Asphaltum, Manjak No. 10, crude, 20 tons, f.o.b. plant..lb. .04½- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .05 - —
smaller lots, f.o.b. plant, lb. .06 - —

Asphaltum, California, dms., c.l., f.o.b. N. Y..ton.20.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y., ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N. Y., lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, selects, bgs., c.l., Western shipt. point..ton.32.90 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.30.50 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .13 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery....gal. .06¼- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz.16.50 - —
Sulphate, bots.....oz.12.75 - —

B

Balm of Gilead buds, bgs.....lb. .40 - .45

Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No prices

Barbital, cs.....lb. 3.50 - 3.60
sodium, cs.....lb. 3.75 - —

Barium carbonate, natural, 99% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.47.50 - —
l.c.l., works.....ton.52.50 - —
bbls., c.l., works.....ton.52.50 - —
l.c.l., works.....ton.57.50 - —
Sulphur-free, c.l., works...ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Chlorate, kgs.....lb. No prices
Chloride, CP, cryst., bbls....lb. .25 - .27
pure, bbls., kgs.....lb. .10 - .12
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis...ton.79.00 - —
l.c.l., bgs., same basis, ton.90.00 - —
bbls., same basis..ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis..ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis...ton.96.00 - —
Zone 3, bgs., c.l., Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.87.00 - —
bbls., same basis..ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis..ton.102.00 - —
Zone 4, bgs., c.l., dlvd., Wash., Ore., Calif., Nev..ton.83.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis, ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works...lb. .10 - —
l.c.l., same basis.....lb. .12 - .13
Fluoride, bbls.....lb. .18 Nom.

Hydrate (see Hydroxide).

Hydroxide, bbls., works.....lb. .06 - .07
Iodide, 165s.....lb. 4.77 - —
jars .....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .09¼- .10½

Oxide, ungrd., dms., c.l., works, lb. .08 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15

Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .14 - .16

Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09½- .10
kgs. .....lb. .12 - —

Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.26.15 - —
paper bags, c.l., St. Louis, ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York...ton.31.50 - —
Southern, off color, bgs., mines, ton.16.00 - —
95.75%, bgs., mines.....ton.19.50 - —
ore, bulk, mines.....ton. 8.00 - —

German, grd., bbls., c.l., dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices
ungrd., bulk, c.l., ex dock.ton. No prices

Italian, grd., bbls., c.l., ex dock, t.a..ton. No prices
l.c.l., ex whse.....ton. No prices

Bauxite, bulk, mines.....ton. 7.00 -10.00

Bay leaves (see Laurel leaves).

Bay Rum, tax extra, import, bbls..gal. .77½- .78½

Bayberry bark, bgs.....lb. .14 - .15

Belladonna leaves, bls.....lb. 2.40 - 2.45
Root, bls.....lb. 2.40 Nom.

Bentonite, 200 mesh, bxs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.16.00 - —

Benzaldehyde, tech., cbys., dms., lb. .45 - .55

N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95

Benzene (see Benzol).

Benzidin base, bbls.....lb. .70 - —

Benzocaine, cns.....lb. 3.00 - —

Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .14 - —

Benzophenone, dms.....lb. 1.00 - 1.10

Benzoyl chloride, cbys.....lb. .23 - .28

Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —

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Even with consummate skill and perfect timing there's plenty of risk in the breath-taking triple somersault. There's always a chance that *something may go wrong.*

There are risks, too—a chance that "something may go wrong"— when products are shipped in drums. But not when drums are equipped with Tri - Sure Closures. Every hazard—every chance of tampering, leakage, waste — is banished by Tri - Sure's triple protection: a *seal* that cannot be removed unless it is deliberately destroyed; a *plug* that is always held tightly in place; a *flange* that assures complete drainage.

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CLOSURES

AMERICAN FLANGE & MANUFACTURING CO. INC., 30 ROCKEFELLER PLAZA, NEW YORK

Benzyl Acetate—Cellulose Acet.

Benzyl acetate, f.f.c., cns.....lb. .52 - .55
dms. .....lb. .48 - —
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.a., f.f.c., cns..lb. .85 - 1.10
dms. .....lb. .80 - —
Chloride, cbys., frt. equald..lb. .22 - .24
Cinnamate, cns.....lb. 5.25 - 5.50
Formate, cns.....lb. 2.40 - 2.75
Isoeugenol, bots.....lb. 9.55 - —
Propionate, bots.....lb. 2.00 - 2.25
Salicylate, bots.....lb 1.65 - 1.75
Benzylidineacetone, bots.....lb. 2.20 - 2.50
Berberine bisulphate, cns.....lb.17.75 -27.50
Hydrochloride, cns.....lb.17.75 -27.50
Sulphate, cns.....lb.17.75 -27.50
Berberis root, bls.....lb. .12 - .13
Betanaphthol, sublim., kgs....lb. .55 - —
tech., bbls., c.l., works.....lb. .23 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.50 - —
kgs.....lb. 2.70 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 3.00 - —
jars .....lb. 2.85 - —
Citrate, USP, VIII, 5-lb. bots. .....lb. 2.86 - —
jars .....lb. 2.70 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns. .....lb. 3.35 - —
Metal, lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots....lb. 1.45 - —
cns. .....lb. 1.30 - —
Oxychloride, 5-lb. bots.....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.51 - —
fib. dms.....lb. 3.40 - —
Subcarbonate, bots., cns.....lb. 1.59 - 1.85
175-lb. bbls.....lb. 1.50 - —
X-ray, 5-lb. bots.....lb. 2.79 - —
fib. dms.....lb. 2.73 - —
Subgallate, bots., cns.....lb. 1.49 - 1.72
fib. dms.....lb. 1.40 - —
Subiodide, bots.....lb. 4.24 - —
fib. dms.....lb. 4.13 - —
Subnitrate, powd., bots., cns.lb. 1.29 - 1.57
250-lb. bbls.....lb. 1.20 - —
Subsalicylate, 60-66%, bots...lb. 2.59 - —
bbls., fib. dms.....lb. 2.50 - —
Sulphocarbolate, 5-lb. bots...lb. 3.76 - —
fib. dms.....lb. 3.65 - —
Trioxide, powd., 5-lb. bots...lb. 3.76 - —
cns.....lb. 3.65 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 3.40 - —
5-lb. cns.....lb. 3.45 - 3.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, c.l.....lb. .17 - —
l.c.l.....lb. .17½ - —
3, c.l.....lb. .12 - —
l.c.l.....lb. .12½ - —
4, c.l.....lb. .11 - —
l.c.l.....lb. .11½ - —
5, c.l.....lb. .08½ - —
l.c.l.....lb. .09 - —
6, c.l.....lb. .08½ - —
l.c.l.....lb. .09 - —
7, c.l.....lb. .11½ - —
l.c.l.....lb. .12 - —
8, c.l.....lb. .12½ - —
l.c.l.....lb. .13 - —

Bone black prices are for barrels or bags, freight allowed East. Pacific Coast prices are 1½c. per lb. higher, ex dock or ex whse.

Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03425- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07½ - —
dlvd. .....lb. .07½ - —
beads, compressed, bgs.. c.l., f.o.b. plants..lb. .03350- —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07 - —
dlvd. .....lb. .07 - —
bulk, cars, c.l., f.o.b. plants, lb. .03150- —

Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, pure bbls., l.c.l., works..lb. .08½- —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5 ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
Mineral, vine type, bbls., l.c.l., f.o.b. works..lb. .0434- —
Vine, A, bbls., works or N. Y., lb. .04½ Nom.
B, bbls., works or N. Y..lb. .05¾ Nom.
works..lb. .14 Nom.
dms., c.l., frt. alld.....lb. .09½ Nom.

Black dyes are listed under Dyes.
Black Haw root bark, bls.....lb. .40 - .45
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .23
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis...ton.75.00 -90.00
pulp, 66%%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 2.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 3.75 - —
high-grade, grd., 16-17 ammon, bulk, f.o.b. Chicago, unit-ton. 4.10 - —
import, bgs., c.i.f. ports, shipt..unit-ton. 3.75 - —
soluble (see Albumen, blood).
Bloodroot, bls.....lb. .17 - .18
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. River, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .85 - .90

Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph: 1c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Blue, bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .32 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 3.50 - 3.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .52 - —
regular, same basis, contracts, lb. .35 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, kgs...lb. 3.75 - —
Victoria, kgs.....lb. 3.30 - —
methyl violet, kgs.....lb. 2.10 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes, 5c. above bbls.
Blue, Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.33 - —
synthetic vehicle, bbls., same basis..lb. 1.93 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs....lb. 1.67 - 1.84
powd., bots., cns., dms.....lb. 1.70 - 1.87
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.37.50 - —
import, bgs., c.i.f. ports..ton.38.50 - —
meal, steamed, dom., 2% ammon., 50% phos., bgs., f.o.b. Chicago..ton.37.00 - —
import, bgs., c.i.f. ports..ton.37.50 - —
Phosphate, precip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.42.00 - —
Bonseet leaves, bls.....lb. .08½- .09
Borage flowers, bls.....lb. .45 - .49
Borax, tech., 99¼% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse.....ton.54.00 - —
less than ton lots, ex whse...ton.59.00 - —
bbls., c.l., frt. alld....ton.53.00 - —
ton lots, ex whse....ton.64.00 - —
less than ton lots, ex whse...ton.69.00 - —
powd., bgs., c.l., frt. alld. ton.48.00 - —
Borax, tech., 99½%, powd., bgs.. ton lots, ex whse....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld...ton.58.00 - —
ton lots, ex whse....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11¼ - —

Bordeaux mixture prices are works or whse basis, frt. alld. to dest. in lots of 90 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.

Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - .30
single pkg., same basis..lb. .30 - .35
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromostyrol.....lb. 3.25 - 4.00
Bronze powder, aluminum (see Al.).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.20
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .15 - .16
Brown, iron oxide, pure precip., cks., f.o.b., N. Y..lb. .12 - —
Metallic, iron oxide, bbls., wks., lb. .02¾- —
paper bgs., c.l., works.....lb. .0260- —
Sap, crystals, dom., works...lb. .12 - —
powdered .....lb. .13 - —
Sienna, burnt, American, bbls., f.o.b. works..lb. .03½- —
Italian, Group 1, bbls., f.o.b. N. Y. or Pa. points..lb. .13½ Nom.
2 bbls., same basis...lb. .12½ Nom.
Italian, group 3, bbls., same basis..lb. .11½ Nom.
4, bbls., same basis....lb. .10 Nom.
5, bbls., same basis....lb. .10 Nom.
6, bbls., same basis....lb. .09½ Nom.
7, bbls., same basis....lb. .09¼ Nom.
8, bbls., same basis....lb. .09 Nom.
9, bbls., same basis....lb. .08½ Nom.
10, bbls., same basis....lb. .08½ Nom.
11, bbls., same basis....lb. .08 Nom.
12, bbls., same basis....lb. .07½ Nom.
13, bbls., same basis....lb. .07¼ Nom.
14, bbls., same basis....lb. .06¾ Nom.
raw, American, bbls., f.o.b. works..lb. .03½- —
Italian, Group 1, bbls., f.o.b. N. Y. or works..lb. .13¾ Nom.
2, bbls., same basis....lb. .12½ Nom.
3, bbls., same basis....lb. .12¾ Nom.
4, bbls., same basis....lb. .10¾ nom.
5, bbls., same basis....lb. .10¾ Nom.
6, bbls., same basis....lb. .09¾ Nom.
7, bbls., same basis....lb. .10 Nom.
8, bbls., same basis....lb. .08½ Nom.
9, bbls., same basis....lb. .08 Nom.
10, bbls., same basis....lb. .07¼ Nom.
11, bbls., same basis....lb. .06¼ Nom.
Umber, American, bbls., works, lb. .03½- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N. Y..lb. .05 - —
St. Louis.....lb. .05½- —
ex car Los Angeles.....lb. .05¾- — Portland, San Francisco, Seattle.....lb. .05¾- —
ex whse, Los Angeles..lb. .06¼- — Portland, San Francisco, Seattle..lb. .06 - —
Boston .....lb. .05 - —
Chicago, Indianapolis, New Orleans.....lb. .05½- —
Kansas City.....lb. .06 - —
Minneapolis .....lb. .0560- —
Pittsburgh .....lb. .05¼- —
Vandyke, regular, bbls., l.c.l., works..lb. .09 - —
special .....lb. .12 - —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .65 - .70
Buckthorn bark, true, bls....lb. .75 - .80
cut and sifted, bbls.....lb. .75 - .80
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .40 - .45
Burgundy pitch, dom., dms...lb. .06 - .06½
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., dms., c.l., frt. alld..lb. .11 - —
l.c.l., frt. alld.....lb. .11½ - —
tanks, frt. alld.....lb. .10 - —
tankwagons, frt. alld...lb. .10¼- —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .09 - —
dms., l.c.l., same terms.lb. .09½- —
tanks, same terms.....lb. .08 - —
Alcohol (see Alcohol).
Aldehyde, dms., c.l., works..lb. .15½- —
l.c.l., works.....lb. .16½- .17½
tanks, works.....lb. .14½- —
Carbinol, secondary, l.c.l. dms. works..lb. .60 - —
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l. .....lb. .23 - —
Ether (see under Ether).
Lactate, dms.....lb. .23½- —
Propionate, dms., dlvd.....lb. .16½- .17
tanks .....lb. .15½- —
Stearate, dms.....lb. .32½- —
Butyric ether, bots.....gal. 6.50 - 6.95
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, coml., 16-34°, tanks, group 3..gal. .02¼- .03

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.65 - 1.66
single jars.....lb. 1.70 -
5-lb. bots.....lb. 1.84 - 1.91
Cyanide, 25-lb. bots., dlvd...lb. 3.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.28 - —
25-lb. cans.....lb. 4.09 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .95 Nom.
ingots or sticks.....lb. .90 Nom.
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.60 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms. .....lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lbs. cns.....lb. 2.70 - —
1,000 lbs. or more, 100-lb. dms., lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. cns.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10-lb. cns., lb. 3.15 - —
Citrated, bots.....lb. 2.30 Nom.
Hydrobromide, bots.....lb. 5.29 - 5.37
Calabar beans, bgs.....lb. .25 - .30
Calamus root, peeled, N. F., cs., lb. .85 Nom.
bleached, bls.....lb. No stocks
dom., natural, bls.....lb. .40 - .45
Calcium acetate, bgs., dlvd., 100 lbs. 3.00 - —
Arsenate, bgs., c.l.....lb. .06½- .07½
l.c.l. .....lb. .06¾- .07¾

Calcium arsenate prices are works or whse basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.

Bromide, 100 lbs., works, frt. equald..lb. .65 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd. 100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse. 100 lbs. 4.85 - —
Carbonate (see Chalk and Whiting).
Calcium, chloride, flake, paper bgs., 77-80%, c.l., dlvd. ton.20.50 -35.00
l.c.l., 1 ton or more, dlvd., 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, wks., ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd..ton.19.00 -33.00
l.c.l., 1 ton or over, dlvd., 100 lbs. 1.53 - 2.25

Calcium chloride c.l. prices for flake in burlap paper-lined bags, $2.50 per ton over paper bags, and drums $3.50 per ton over paper bags.

Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms. .....lb. .55 - .57
cns. .....lb. .68 - .85
Powd., 2c. per lb. higher.
Glycerophosphate, fib dms....
1,000-lb. lots..lb. 1.25 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.65 - —
Hypophosphite, cns.....lb. .62 - .65
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .24 - .25
Mandelate, dense, dms.....lb. 2.05 - —
fluffy, dms.....lb. 2.05 - —
Nitrate, fertilizer grade, bgs., to fert. mfrs., ex easel Atlantic or Gulf ports..ton. No prices
tech., bbls., ton lots, works, lb. .12½- —
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635- —
l.c.l., bbls.....lb. .0705- —
Resinate, precip., bbls., 1 ton lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .24 - —
l.c.l., ton.....lb. .25 - —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., works..ton.51.00 - —
luminous, dom., tins, works, 100 lbs. 1.25 - —
Sulphocarbolate, 200-lb. bbls..lb. .48 - .50
Calendula flowers, blr .....lb. .85 - .90
Calomel, bbls., fib. dms., kgs., 50 lbs. or more..lb. 2.95 - —
Camphor, natural, powd., cs...lb. 1.15 Nom.
slabs, cs.....lb. 1.15 Nom.
tablets, tins.....lb. 1.20 Nom.
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works....lb. .41 - —
Camphor, synth., USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., kgs.....lb. 2.00 - 2.06
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .04 - .04¾
Morocco, bgs.....lb. .05¾- .06
Turkish, bgs.....lb. No stocks
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 3.00 - 3.05
powd., bxs.....lb. 3.25 - 3.30
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. .98 - 1.00
Carbazole, 95%, dms., ton lots, works..lb. .70 - —
smaller quantities, works..lb. .88 - —
98%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Diethyl, l.c.l., works.....lb. .60 - —
Dimethylethyl, l.c.l., works..lb. .60 - —
Isobutyl, c.l., dms., frt. alld..lb. .225 - —
l.c.l., same basis.....lb. .235 - —
tanks, same basis.....lb. .215 - —
Carbon bisulphide, 55 gal., dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾- —
5-gal. dms., c.l., same basis, lb. .07 - .07¼
l.c.l., same basis.....lb. .08 - .08¼
Dioxide, cys.....lb. .06 - .08
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. .87 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.04 - —
l.c.l., frt. alld.....gal. 1.14 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .94 - —
l.c.l., frt. alld.....gal. 1.00 - —
5 or 10-gal. dms., c.l., frt. alld..gal. 1.17 - —
l.c.l., frt. alld.....gal. 1.27 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l. .....gal. .90 - —
5 or 10-gal. dms., c.l.gal. 1.07 - —
l.c.l. .....gal. 1.17 - —

All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1 includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W.Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Minn., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.

Cardamom, bleached, cs.....lb. 1.45 - 1.60
decorticated, cs.....lb. 1.20 - 1.90
green, Ceylon, afloat, bgs....lb. 1.10 - 1.15
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk...lb. .18 - .19
Case-hardening mixture, 30% Jump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .28 - .29
5 tons, works.....lb. .28½- .29¼
smaller lots, works.....lb. .28½- .29½
80-100 mesh, works.....lb. .28½- .29¼
5 tons, works.....lb. .28¾- .29¾
smaller lots, works.....lb. .29 - .30
Import, Argent., 20-30 mesh, bgs., c.l., duty paid..lb. .30 - .30½
80-100 mesh, bgs., c.l., duty paid..lb. .30½- .31
Casein, imp., French, 30 mesh, bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh., c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .22 - .22½
No. 1, regular, bls.....lb. .21 - .21½
shortstick, bls.....lb. .19 - .19½
broken, bls.....lb. .18 - .18½
China, buds, bgs.....lb. .17½- .18
Rolls, select, bls.....lb. .16½- .17
broken, extra, bls.....lb. .15½- .16
Saigon, No. 1, 4-10-4, bls....lb. .35 - .35½
10-6-2, bls.....lb. .35¼- .35¾
all thin, bls.....lb. .37 - .37½
Cassia fistula, bskts.....lb. .22 - .24
Castoreum, nat., cns.....lb.12.50 -15.00
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't, c.&f., N. Y..long ton.68.00 - —
Oil (see Oil, castor).
Pomace, dom., 5¼% ammon., bgs., c.l., works..ton.15.50 -16.00
import, bgs., c.i.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .95 - .98
Indian .....lb. .66 - .67
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. alld..lb. .30 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctn., 5,000 lbs. and up, frt. alld. lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .43 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
acetate-propionate, high (20-40% propionyl content), 100-lbs. ctn., 5,000 lbs. and up, frt. alld..lb. .45 - —
1,000-4,900 lbs., frt. alld.lb. .46 - —
100-900 lbs., frt. alld....lb. .47 - —
smaller pkgs., works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. alld..lb. .41 - —
1,000-4,900 lbs., frt. alld.lb. .42 - —
100-900 lbs., frt. alld....lb. .43 - —
smaller pkgs., works.....lb. .44 - —

Cellulose, acetate - propionate, medium (10-19.9%), 100 - lb. ctns., 5,000 lbs. and up, frt. alld..lb. .48 - —
1,000-4,900 lbs., frt. alld.lb. .44 - —
100-900 lbs., frt. alld.....lb. .45 - —
smaller pkgs., works.....lb. .46 - —
Triacetate, flake, frt. alld....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾- —
cks., 250 lbs., c.l., f.o.b. works..lb. .02¼- —
Chamomile flowers, Hungarian, genuine, cs..lb. .85 - 1.00
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo. .....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ill. (except river point), Minn., Neb., Wis.ton.27.00 - —
Indiana .....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia..ton.25.00 - —
Kansas, El Paso, Tex. ton.28.00 - —
Michigan .....ton.32.80 - —
Ohio .....ton.32.80 - —
Penn. .....ton.34.80 - —
Utah .....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .0240- —
l.c.l., bbls., works.....lb. .0265- —
tanks, works.....lb. .0190- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.60 - —
200 mesh, bgs., c.l., works..ton. 8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works.. ton. 9.50 - —
paper bgs., c.l., works., ton.12.50 - —
import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.18.60 -25.00
powd., cks., l.c.l., ex whse., ton.45.00 - —
Chloral hydrate, jars, 1,000 lbs.lb. .93 - 1.02
500 lbs.....lb. .96 - 1.05
100 lbs.....lb. .98 - 1.07
25 lbs.....lb. 1.00 - 1.09
1-10 lbs.....lb. 1.05 - 1.12
drms., 1,000 lbs.....lb. .90 - —
500 lbs.....lb. .92 - —
100 lbs.....lb. .95 - —
Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns.....lb. .35 - —
smaller lots.....lb. .38 - —
Chlorine, liq., cyls., c.l., dlvd., N.Y..lb. .05¼- —
contracts, dlvd., N. Y...lb. .05¼- —
l.c.l., dlvd. N. Y.....lb. .07¼- —
tanks, single units, works, frt. equald..100 lbs. 2.00 - —
multiple unit, 3 or over, works, frt. equald..100 lbs. 2.35 - —
2, works, frt. equaid., 100 lbs. 2.75 - —
1, works, frt., equaid., 100 lbs. 3.25 - —
Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms.....lb. .22 - —
50-lb. dms.....lb. .23 - —
USP, 650-lb. dms.....lb. .30 - —
100-lb. dms.....lb. .32 - —
50-lb. dms.....lb. .33 - —
Chlorpicrin, com'l, 150-lb. cyls., frt. alld..lb. .80 - —
100-lb. cyls., frt. alld.....lb. .85 - —
25-lb. cyls., works.....lb. 1.00 - 1.15
1-lb. bot., case 12, works, lb. 1.25 - —
Chrome acetate, powd., 24%, bbls., lb. .21½- —
solut., 8½%, cs., bbls.....lb. No price
Cake, bulk, c.l., works...ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs. lb. .40 - —
powd., dms., 100 lbs.....lb. .43 - —
scale, dms., 100 lbs.....lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, 5-lb. bot.....lb. 5.00 - —
Cinchona bark, quill, USP, 10 in., medium, cs..lb. .85 - .90
20 in., thick, cs.....lb. .85 - .90
20 in., medium, cs.....lb. .85 - .90
USP, broken quill, red, bgs..lb. .20 - .21
yellow, bgs.....lb. .20 - .21
Cinchonidine, small crys., cns., 100 ozs..oz. .89 - —
Sulphate, N.F., cns., 100 ozs.oz. .58 - —
Cinchonidine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Cinchonine, small crys., cns., 100 ozs..oz. .62 - —
large cryst., cns., 100 ozs.oz. .66 - —
Sulphate, N.F., cns., 100 ozs..oz. .42 - —
Cinchonine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Cinchophen, USP, 25-lb. fib. dms., lb. 2.55 - 2.60
1 and 5-lb. bots.....lb. 3.70 - 3.80
100 lbs., dms.....lb. 3.50 - —
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, 99-100% pure, chys., cns..lb. 1.25 - 1.60
Cinnamon, Ceylon, 2 bls.....lb. .24 - .25
3 bls.....lb. No stocks
Citral, bots., cns.....lb. 3.00 - 4.00
Citrine ointment, jars.....lb. .95 - .97
Citronellal, bots., dms.....lb. 1.50 - 2.25
Citronellol, bots., dms.....lb. 1.75 - 2.00
Clove, Amboyna, bgs.....lb. .25 - .26
Zanzibar .....lb. .16¼- .16¾
Clover tops, red, bgs.....lb. .35 - .40
dom., bgs.....lb. .30 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbls. 7.50 - 7.75
l.c.l., works.....bbl. 8.25 - 8.50
tanks, works.....gal. .07½- .09
refd., bbls., c.l., works....bbl. 8.00 - 8.25
l.c.l., works.....bbl. 8.75 - 9.00
tanks, works.....gal. .08½- .10
Coaltar, water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works.....dm. 8.25 - —
refd., dms., c.l., works...dm. 8.00 - —
l.c.l., works.....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .80½- —
Carbonate, powd., bgs., works, lb. 1.58 - —
Chloride, kgs., works.....lb. .85 - —
Hydrate, bbls.....lb. 1.98 - —
Linoleate, paste, 5%, dms....lb. .31 - —
solid, 8½%, bbls.....lb. .33 - —
Oleate, bbls.....lb. .25 Nom.
Oxide, black, kgs.....lb. 1.84 - —
Resinate, fused A, bbls.....lb. .13½- —
1 %, cobalt oxide, bbls....lb. .13 - —
2 %, cobalt oxide, bbls....lb. .14 - —
3½%, cobalt oxide, bbls....lb. .17½- —
precip., dms., dlvd.....lb. .34 - —
Sulphate, dms.....lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .37 - .38
Teneriffe, silver, bgs.....lb. .38 - .39
Cocoa butter, bulk, c.l., bgs...lb. .23 - .23½
Cocillana bark, bgs.....lb. .22 - .23
Codeine, cns., 100 ozs.....oz.11.70 - —
Hydrochloride, cns., 100 ozs.oz.10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .07 - .08
Blue, root, bls.....lb. .07 - .08
Colchicine, bots., cns.....oz.86.00 - —
Colchicum seed, bgs.....lb. 2.50 Nom.
Collodion, USP, dms., 325 lbs..lb. .15 - —
cns., 25 lbs.....lb. .19 - .20
flexible, USP, dms., 325 lbs..lb. .17 - —
cns., 25 lbs.....lb. .21 - .22
Colocynth pulp, bls.....lb. .95 - 1.00
Colombo root, bls.....lb. .20 - .21
Coltsfoot leaves, bgs.....lb. .35 - .40
Condurango bark, bgs.....lb. .10 - .11
Conium leaves, bls.....lb. .39 - .32
Copaiba, balsam, Para, cns....lb. .32 - .33
S.A., USP, cns.....lb. .34 - .35
Copper acetate, normal, bbls., dlvd..lb. .24 - —
smaller containers, dlvd..lb. .26 - —
Carbonate, 52-54%, bbls.....lb. .18 - .20½
Chloride, anhyd., bbls.....lb. .19½- —
cryst. .....lb. .18½- .14½
Cyanide, tech., bbls.....lb. .34 - .36
Iodide, bots.....lb. 5.15 - 5.19
Metal, electrolytic.....lb. .12 - .12½
Nitrate, cryst., bbls.....lb. .20 Nom.
Oleate, precip., bbls.....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .19½- .21
Red, com'l, kgs., f.o.b. N. Y. lb. .20 - .22
Resinate, precip., bbls.....lb. .15 - .16
Sulphate, 99%, cryst., bbls., c.l., f.o.b. works..100 lbs. 5.00 - 5.50
l.c.l., 16-50 bbls., same basis, 100 lbs. 5.15 - 5.65
6-15 bbls., same basis, 100 lbs. 5.25 - 5.75
1-5 bbls., same basis, 100 lbs. 5.50 - 6.00
monohydrated, dms., c.l., dealers, f.o.b. works..100 lbs. 8.93 - —
l.c.l., dealers.....100 lbs. 9.95 - —

Cellulose Acet.-pro.—Cranesbill

Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works.....ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.55 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works.....ton.14.00 - —
Copra, Coast, ship.....lb. .04 Nom.
Coriander, bgs.....lb. .11 - .11¼
bleached, bgs.....lb. .12 - .13¼
Corn silk, bls.....lb. .22 - .23
Corn sugar, tanners', chipped, bgs., c.l., dlvd..100 lbs. 4.05 - —
slabs, bbls., c.l.....100 lbs. 3.41 - —
solid, bbls., c.l.....100 lbs. 3.53 - —
Syrup, 42°, bbls., c.l..100 lbs. 3.53 - —
43°, bbls., c.l.....100 lbs. 3.87 - —
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.39 - —
gran., powd., dms., 50 lbs. or more..lb. 2.24 - —
Cottonroot bark, bls.....lb. .10 - .11
Cottonseed, hull ash, 32-36% pot-ash, bgs., dlvd...unit-ton. 1.00 - —
meal, 8%, Southeast, mills..ton.42.00 -42.50
Coumarin, 5 lbs. or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns.....lb. 2.85 - 3.10
1-lb. cns.....lb. 3.00 - 3.25
1-oz. cns.....lb. 3.35 - 3.60
less than 5 dms., cns.....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .20 - .45
so-called, bls.....lb. .06 - .07
Cranesbill root, bls.....lb. .10 - .18

TO USERS OF MATHIESON CHEMICALS

★★★★★★★ ★★★★★★★

● The demand for many of our products for both direct and indirect national defense purposes has been greatly in excess of anything we had anticipated. In some cases, this greatly increased demand has made it impossible for us to take care of our customers' normal requirements. But in all such cases we are meeting the unusual conditions to the best of our ability.

We realize the serious problem that has been created for many users of Mathieson products by this emergency curtailment, and we are doing everything we possibly can to ease the situation. We are using this "open letter" as one way of asking our customers to bear with us during this emergency period.

Your business is appreciated. Your acceptance of Mathieson Chemicals has been the backbone of our success. Your orders are being filled as rapidly as the priority of defense deliveries will permit. And in the meantime we ask that you do not order more than you would ordinarily need for minimum current requirements.

★★★★★★★ THE MATHIESON ALKALI WORKS (INC.) ★★★★★★★

60 EAST 42ND STREET, NEW YORK, N. Y.

SODIUM CHLORITE PRODUCTS . . . SODA ASH . . . CAUSTIC SODA . . . BICARBONATE OF SODA . . . LIQUID CHLORINE . . . BLEACHING POWDER . . . HTH PRODUCTS . . . AMMONIA, ANHYDROUS and AQUA . . . FUSED ALKALI PRODUCTS . . . SYNTHETIC SALT CAKE . . . DRY ICE . . . CARBONIC GAS

Cream of Tartar—Fluorspar

Cream of tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb. .57½- —
smaller lots, bbls. lb. .58 - —
kgs. lb. .58½- —
Creosote, beechwood, bots. lb. .70 Nom.
hardwood, USP, bots. lb. .45 - .47
Pine, dms. gal. .26 - —
Carbonate, bots., cbys. lb. 1.90 - 2.20
Oil, crude, tanks, works. gal. .13½- .14½
Coaltar, solution, tanks, works. gal. .122 - .132
refd., bbls., l.c.l., works. gal. .26 - —
tanks, works. gal. .18 - .18½
Cresol, USP, dms., c.l., works. lb. .10¼- —
l.c.l., same basis. lb. .10¾- —
special resin grade, dms., c.l., works. lb. .09¼- —
l.c.l., same basis. lb. .09¾- —
Crotonaldehyde, 97%, 55 and 110 gal., l.c.l., works. lb. .15 - —
5 and 10-gal. dms., works. lb. .18 - —
Cryolite, syn., c.l., frt. alld. E. of Miss. River. lb. .08½- —
l.c.l., works. lb. .09¼- —
natural, c.l. 100 lbs. 8.75 - —
l.c.l. 100 lbs. 9.25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C. lb. .27 - .28
4% rotenone prices are 3c. per lb. less.
Cubeb berries, XX, bgs. lb. .48 - .50
powd., cs. lb. .53 - .54
Culver's root, bls. lb. .16 - .17
Cumin seed, Morocco, bgs. lb. .19 - .19½
Cyprus, bgs. lb. .18¾- .19¼
Indian, bgs. lb. .18 - .18½
Persian, bgs. lb. .18½- .19
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid. lb. .04¾- —
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N. unit-ton. No prices
Cyanide-chloride, mixture, 45%, gran., dms. lb. .10¾- —
lump, dms. lb. .09¾- —
75%, gran., dms. lb. .15 - —
Cyclohexane, 98-100%, dms., works. lb. .16 - —
Cyclohexanol, 98-100%, dms., works. lb. .23 - —
Cyclohexanone, 98-100%, dms., works. lb. .33 - —
Cyclopropane, USP, cyls., dlvd., gal. .27 - —

D

Damiana leaves, bls. lb. .16 - .17
Dandelion root, bls. lb. .60 - .65
Decanol, normal, tech., 360 lbs., dms., dlvd. lb. .35 - —
Deertongue leaves, bls. lb. .12 - .14
Degras, common, dom., bbls. lb. .08¼- .08¾
neutral, dom., bbls. lb. .15 - .17
Derris root, powd., 5% rotenone, bbls., f.o.b. N. Y. lb. .28 - .30
4% rotenone prices are 3c. per lb. less.
Derris, extract, 25% rotenone, bulk, cns. lb. 3.00 - 4.00
Dextrin, British gum, c.l., f.o.b. Chicago. 100 lbs. 4.25 - —
l.c.l., f.o.b. Chicago. 100 lbs. 4.35 - —
Corn, canary, bgs., c.l., f.o.b. Chicago. 100 lbs. 4.00 - —
l.c.l., f.o.b. Chicago. 100 lbs. 4.80 - —
white, bgs., c.l., f.o.b. Chicago. 100 lbs. 3.95 - —
l.c.l., f.o.b. Chicago. 100 lbs. 4.15 - —
Potato, bgs., dom., c.l. lb. .08¼- —
l.c.l., bgs. lb. .09¼- .10
Diacetone (see under Alcohol).
Diacetyl, bots. lb. 9.50 -11.00
Diamyl ether, dms., c.l., works. lb. .085 - —
l.c.l., works. lb. .092 - —
tanks, works. lb. .075 - —
Phthalate, dms., c.l., dlvd. lb. .21 - —
l.c.l., dlvd. lb. .21½- —
tanks, dlvd. lb. .20 - —
Diamylamine, dms., c.l., works. lb. .47 - —
l.c.l., works. lb. .50 - —
Diamylene, dms., c.l., works. lb. .095 - —
l.c.l., works. lb. .102 - —
tanks, works. lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works. lb. .17 - —
Diamylphenol (2, 4), dms., c.l., works. lb. .17 - —
l.c.l. lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst. ton.22.00 -25.00
l.c.l., ex whse. ton.45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard. ton.35.00 -39.00
l.c.l., ex whse. ton.85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard. lb. .07 - —
l.c.l., ex whse. lb. .10 - .16
Import, Algerian, bgs., c.l., c.i.f. ton. No prices
Mexican, white, bgs., c.l., c.i.f. lb. .02 - .03
l.c.l. lb. .04 - .06
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l. lb. .53 - —
tanks, works. lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd. lb. .19 - .20
l.c.l., dlvd. lb. .19½- .20½
tanks, dlvd. lb. .18 - .19
cns., works. lb. .23½- .25½
Sebacate, dms., works. lb. .45 - .47
Tartrate, dom., dms. lb. .50 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works. lb. .15 - —
l.c.l., works. lb. .16 - —
tanks, works. lb. .14 - —
Dichloropentanes, dms., c.l., works. lb. .032 - —
l.c.l. lb. .04 - —
tanks lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½- —
l.c.l., works. lb. .24½- —
tanks, works. lb. .22½- —
Diethylamine, dms., l.c.l., works, lb. .70 - —
Diethylamine ethanol, l.c.l., dms., works, frt. alld. E. of Miss. river, l.c.l., dms. lb. .75 - —
Diethylaniliin, dms. lb. .40 - —
Diethylcarbonate, com'l, dms. lb. .28 - —
refd., 99%, dms. lb. .35 - —
Oxalate, dms., l.c.l., dlvd. lb. .28 - —
Diethyl phthalate, dms., c.l., dlvd. lb. .20 - —
l.c.l. lb. .20½- —
tanks lb. .19 - —
Sulphate, dms., c.l., works. lb. .13 - —
l.c.l., works. lb. .14 - —
tanks lb. .12 - —
Diethyleneglycol, dms., c.l., works, lb. .14 - —
l.c.l., works lb. .15½- —
Monobutylether, dms., works. lb. .22½- .24½
Monoethylether, dms., c.l., works. lb. .14½- —
l.c.l., works lb. .15½- —
tanks, works lb. .13½- —
Digitalis leaves, dms. lb. .40 - .45
Diglycol, laurate, c.l. lb. .16 - —
Oleate, light, bbls., c.l. lb. .17 - —
Stearate, bbls., c.l. lb. .22 - —
Di-isobutyl ketone, dms., works. lb. .19 - —
Dillseed, cleaned, bgs. lb. .08½- .08¾
Dimethyl phthalate, dms., c.l., dlvd. lb. .20 - —
l.c.l., dlvd. lb. .20¼- —
tanks, dlvd. lb. .19 - —
Dimethylamine, dms., c.l., dlvd. lb. .85 - —
l.c.l., dlvd. lb. .90 - —
Dimethylaniliin, dms., c.l. lb. .23 - —
l.c.l., dms. lb. .24 - —
Dinitrobenzene, bbls., 80° min. lb. .18 - —
Dinitrochlorobenzene, dms. lb. .14 - —
Dinitronaphthalene, kgs. lb. .35 - .38
Dinitrophenol, bbls. lb. .22 - —
Dinitrotoluene, dms. lb. .18 - —
oily, dms. lb. .05 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd. lb. .44 - —
600-1,950 lbs., dlvd. lb. .46 - —
150-450 lbs., dlvd. lb. .47 - —
Dioxan, dms., c.l., frt. alld. lb. .20 - —
l.c.l., same basis. lb. .21 - —
tanks, same basis. lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms. gal. .59 - .51
tanks gal. .51 - —
dest., dist., dms. gal. .55 - .58
tanks gal. .48 - —
Diphenyl, bbls., c.l., works. lb. .15 - —
l.c.l., works. lb. .16 - .20
Oxide, perfume grade, dms. lb. .43 - .45
cns. lb. .48 - .50
Diphenylamine, bbls. lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd. lb. .35 - —
600-1,950 lbs., dlvd. lb. .36 - —
150-450 lbs., dlvd. lb. .37 - —
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian. ton.43.00 - —
Venezuelan ton.47.00 - —
Doggrass root, imp. cut, NF, bls. lb. .38 - 1.00
domestic, bls. lb. .36 - .37
Dogwood bark, Jamaica, bls. lb. .08 - 09
Dovers powder, USP, cns. lb. 2.75 - 2.80
Dragon's blood, mass, cs. lb. .65 - .85
reeds, cs. lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns. lb.13.50 - —
FD&C blue, No. 2, cns. lb.13.50 - —
Green FD&C green, No. 2, cns. lb.17.50 - —
FD&C green, No. 3, cns. lb.27.50 - —
FD&C green, No. 1, cns., lb.13.50 - —
Orange, FD&C orange, No. 1, cns. lb. 2.90 - —
FD&C orange, No. 2, cns. lb. 3.65 - —
Red, FD&C red, No. 1, cns. lb. 6.00 - —
FD&C red, No. 2, cns. lb. 3.15 - —
FD&C red, No. 3, cns. lb.17.50 - —
FD&C red, No. 4, cns. lb. 5.75 - —
FD&C red, No. 32, cns. lb. 4.15 - —
Yellow, FD&C yellow, No. 1, cns. lb. 8.50 - —
FD&C yellow, No. 3, cns. lb. 2.65 - —
FD&C yellow, No. 4, cns. lb. 2.65 - —
FD&C yellow, No. 5, cns. lb. 3.15 - —
FD&C yellow, No. 6, cns. lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics:—
Black, D&C black, No. 1. lb. 8.35 - —
Blue, D&C blue, No. 6. lb.18.50 - —
Brown, D&C brown, No. 1, cns., lb.12.35 - —
Green, D&C green, No. 5, cns., lb.12.35 - —
D&C green, No. 6, cns. lb.12.95 - —
Orange, D&C orange, No. 5, cns. lb. 8.35 - —
D&C orange, No. 4, cns. lb.15.35 - —
D&C orange, No. 10, cns. lb.15.85 - —
D&C orange, No. 11, cns. lb.17.35 - —
Red, D&C red, No. 7. lb. 6.00 - —
D&C red, No. 17. lb. 8.35 - —
D&C red, No. 18. lb.18.35 - —
D&C red, No. 19, cns. lb.15.35 - —
D&C red, No. 22, cns. lb. 8.35 - —
D&C red, No. 33. lb.12.35 - —
D&C red, No. 87, cns. lb.12.35 - —
Yellow, D&C yellow, No. 7, cns. lb. 8.35 - —
D&C yellow, No. 8, cns. lb. 8.35 - —
D&C yellow, No. 11. lb.10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns. lb.12.35 - —
Green, Ext. D&C green, No. 1, cns. lb.12.75 - —
Red, Ext. D&C red, No. 1, cns. lb.10.35 - —
Ext. D&C red, No. 3. lb.21.35 - —
Ext. D&C red, No. 6. lb. 7.35 - —
Ext. D&C red, No. 10, cns. lb.12.35 - —
Ext. D&C red, No. 13, cns. lb.12.35 - —
Yellow, Ext. D&C yellow No. 1, cns. lb. 8.35 - —

Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
36 Chrome yellow 2G. lb. .65 - .70
40 Chrome yellow R. lb. .50 - 1.00
53 Victoria violet. lb. .80 - 1.00
165 Lake red C. lb. .70 - .80
170 Fast red A. lb. .56 - .60
180 Fast red VR. lb. 1.50 - 1.60
189 Lake red R, paste. lb. .85 - .90
189 Lake red R, powd. lb. 3.00 - 3.10
Sulphur tan. lb. .30 - .50
202 Chrome blue black U. lb. .32 - .40
204 Chrome black A. lb. 1.75 - 2.00
208 Fast red blue R. lb. .75 - 2.00
216 Chrome red B. lb. 1.75 - 2.00
262 Cloth red 2B. lb. .60 - .90
288 Fast cyanin 5R. lb. .90 - 1.00
299 Chrome black F. lb. .50 - .65
307 Fast cyanin black B. lb. .80 - .85
326 Direct cast scarlet. lb. 2.00 - 2.25
304 Paper yellow. lb. .83 - .90
365 Chrysophenin G. lb. .58 - .70
394 Direct violet N. lb. 1.25 - 1.35
382 Direct scarlet B. lb. 1.50 - 1.75
387 Direct violet B. lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B. lb. .25 - .30
415 Direct orange R. lb. .60 - .70
419 Direct fast red F. lb. .75 - .85
420 Direct brown M. lb. 1.00 - 1.10
448 Benzo purpurin 4B. lb. .40 - .42
495 Benzo purpurin 10B. lb. .40 - .50
502 Direct azurin G. lb. .75 - .80
512 Direct blue RD. lb. .80 - 1.00
518 Direct pure blue 6B. lb. 1.10 - 1.25
520 Direct pure blue. lb. .50 - 1.00
529 Direct fast black, FF. lb. .55 - 1.70

Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
581 Direct black EW. lb. .25 - .30
582 Direct black RX. lb. .35 - .45
592 Direct green B. lb. .75 - .80
594 Direct green G. lb. 1.00 - 1.05
596 Direct brown 3GO. lb. .85 - 1.00
620 Direct yellow R. lb. 1.25 - 1.50
606 Acid violet. lb. 1.00 - 3.00
812 Primulin lb. .50 - .52
814 Direct fast yellow. lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste. lb. .15 - .18
Benzo fast black L. lb. .90 - 1.00
Sulphur black. lb. .20 - .25
Sulphur blue. lb. .40 - 1.50
Sulphur brown. lb. .25 - .50
Sulphur maroon. lb. .40 - —
Sulphur olive. lb. .25 - .54
Sulphur yellow. lb. .30 - .50
Zambesi black. lb. .75 - .80
Black:—
865 Nigrosin derivatives. lb. .38 - .63
Blue:—
1075 Alizarin astrol base. lb.15.00 - —
1078 Alizarin cyanin green base. lb. 6.00 - —
Brown:—
Brown lb. 1.15 - —
Green:—
1078 Alizarin cyanin green. lb. 5.00 - —
Green lb. .75 - —
Orange:—
24 Sudan I. lb. .75 - —
Red shade. lb. .75 - —
Red:—
75 Sudan II. lb. 1.05 - —
258 Sudan IV. lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base. lb. 6.00 - —
680 Oil violet. lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow. lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
51 Yellow OB. lb. 1.40 - —
Dyes, coaltar, spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 5c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
864 Nigrosin. lb. .38 - .44
Blue:—
860 Indulin. lb. .60 - .70
Brown:—
331 Bismarck brown. lb. 1.50 - —
Green:—
637 Malachite green base. lb. 2.00 - —
Orange:—
20 Chrysoidin G. lb. .95 - —
21 Chrysoidin R. lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B. lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine. lb. 2.00 - —
800 Chinolin yellow 3S. lb. 2.00 - —
Violet:—
680 Methyl violet base. lb. .85 - —
Black:—
246 Naphthol blue black S. lb. .50 - —
873 Methylene gray. lb. 1.50 - —
Blue:—
714 Patent blue A. lb. 1.05 - 1.10
720 Victoria blue B. lb. 1.85 - —
861 Indulin lb. .87 - —
909 New blue R. lb. 1.30 - —
922 Methylene blue. lb. 1.00 - —
.054 Alizarin saphirol B. lb. 1.90 - —
1180 Indigotin IA. lb. .85 - —
Brown:—
254 Resorcin brown Y. lb. .65 - —
255 Resorcin dark brown R, lb. .66 - —
231 Bismarck brown G. lb. .42 - .57
332 Bismarck brown R. lb. .42 - .57
793 Phosphin lb. 4.65 - —
Green:—
5 Naphthol green B. lb. 1.00 - —
657 Malachite green. lb. 1.35 - —
662 Brilliant green. lb. 2.00 - —
666 Guinea green B. lb. 1.15 - —
737 Wool green S. lb. .58 - —
924 Methylene green B. lb. 1.55 - —
1078 Alizarin cyanin green. lb. 2.35 - —
Orange:—
10 Chrysoidin G. lb. .40 - —
21 Chrysoidin R. lb. .37 - —
27 Orange G. lb. .50 - —
151 Orange Y. lb. .30 - —
161 Orange R. lb. .54 - —
31 Amidonaphthol red G. lb. .42 - —
37 Amidonaphthol red 6B. lb. .68 - —
79 Popceau R. lb. .48 - —
88 Fast red B. lb. 1.05 - —
176 Fast red A. lb. .54 - —
179 Azorubin lb. .60 - .62
185 Crocein scarlet 3BX. lb. .72 - .75
185 Cochineal red A. lb. .60 - —
252 Brilliant crocein M. lb. .68 - —
677 Fuchsin lb. 2.10 - —
749 Rhodamine B. lb. 3.50 - —
752 Rhodamine 6G. lb. 4.50 - —
768 Eosin G. lb. 1.50 - —
841 Safranin lb. 1.45 - —
Violet:—
680 Methyl violet B. lb. .75 - —
681 Crystal violet C. lb. 1.75 - —
696 Acid violet 4BN. lb. .88 - —
Yellow:—
10 Naphthol yellow S. lb. .88 - —
128 Metanil yellow. lb. .55 - —
636 Fast light yellow. lb. 1.25 - —
639 Xylene light yellow. lb. 1.15 - —
640 Tartarsin lb. .80 - —
655 Auramine lb. 1.27 - —
Dyes, natural (see name of article).

E

Echniacea root, bls. lb. .18 - .19
Egg albumen (see Albumen).
yolk, dried, dom., bbls. lb. .92 - .95
imported lb. .83 - .85
Elder flowers, bright, bls. lb. .75 - .80
Elecampane root, bls. lb. .14 - .15
Elm bark, grinding, bls. lb. .11 - .12
powd., bbls., bxs. lb. .19 - .20
select, bndls. lb. .19 - .21
Emetine hydrochloride, bots. oz.24.00 -28.80
Ephedra, bls. lb. .12 - .13
Ephedrine, USP hemihydrates, tins, 1,000 ozs. oz. .60 - —
100 ozs. oz. .70 - —
anhyd., dms., 1,000-oz. lots. oz. .65 - —
100-oz. lots. oz. .75 - —
Hydrochloride, tins, 1,000-oz. lots. oz. .45 - —
100-oz. lots. oz. .55 - —
Sulphate, cryst., tins, 1,000-oz. lots. oz. .42 - —
100-oz. lots. oz. .52 - —
Epsom salt, tech., bgs. 100 lbs. 1.80 - —
bbls. 100 lbs. 1.90 - —
Epsom salt prices on technical and USP are on the basis of freight equalized with Baltimore, Carteret, N. J., Chicago, Cincinnati, Cleveland, Houston, New Orleans, New York.
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal. 100 lbs. 2.25 - —
smaller lots. 100 lbs. 2.50 - —
bbls., c.l. 100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal. 100 lbs. 2.35 - —
smaller lots. 100 lbs. 2.60 - —
kgs., c.l. 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal. 100 lbs. 2.60 - —
smaller lots. 100 lbs. 2.85 - —
dried, bgs., l.c.l. lb. .08 - .09
Ergot, USP, cns., dms. lb. 2.00 - 2.10
Eserine, bots. oz.50.00 -72.00
Salicylate, bots. oz.42.00 -45.00
Sulphate, bots. oz.42.00 -45.00
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd. lb. .26 - .28
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .73 - —
Sulphuric, conc., 310-lb. dms. lb. .11 - —
27-lb. dms. lb. .12 - —
Synth., dms., c.l., work. lb. .10 - —
l.c.l., works. lb. .11 - —
tanks lb. .08 - —
USP, anesthesia, hospitals, 1-lb. cns. lb. .52 - .58
Ethyl acetate, 85-90%, dms., c.l., frt alld. lb. .08¼- —
l.c.l., frt. alld. lb. .09 - —
tanks, frt. alld. lb. .07½- —
95-98%, dms., c.l., frt. alld. lb. .08¾- —
l.c.l., frt. alld. lb. .09¼- —
tanks, frt. alld. lb. .07¾- —
NF, 280-lb. dms. lb. .09 - —
cns., 35 lbs. lb. .13 - .14
Acetoacetate, dms., c.l., wks. lb. .27½- —
l.c.l., dms., works. lb. .28 - —
Benzoate, bots. lb. 1.00 - 1.25
Bromide, tech., dms. lb. .50 - .55
Caproate, cns. lb. 1.06 - —
Chloride, dms. lb. .18 - .20
Cinnamate, cns. lb. 3.50 - 3.75
Formate, cns., dms. lb. .25 - .26
Iodide, bots. lb. 3.50 - 3.60
Lactate, 55-gal. dms., works. lb. .33½- —
5-gal. dms., works. lb. .37½- .39½
Oenanthate, dms. lb. .75 - 1.25
Oxalate, dms., frt. alld. lb. .25 - —
Oxyhydrate, bots. gal. 4.00 - 6.00
Silicate, l.c.l., dms., wks. lb. .77 - —
Vanillin, 25-lb. lots, cns. lb. 4.75 - 6.00
5-lb. lots, cns. lb. 4.80 - 6.05
1-lb. lots, cns. lb. 4.95 - 6.15
Ethylcellulose, std. cans, 5,000 lbs. or more, frt. alld. lb. .45 - —
less than 5,000 lbs., same basis. lb. .47 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld. lb. .0742- —
West of Rockies, same basis. lb. .0792- —
l.c.l., works, E. of Rockies, frt. alld. lb. .0795- —
West of Rockies, same basis. lb. .0841- —
Ethyleneglycol, dms., c.l. lb. .14½- —
l.c.l. lb. .15½- .18½
tanks lb. .13½- —
Monobutylether, dms., c.l., wks. lb. .16½- —
l.c.l., works. lb. .17½- .20½
tanks, works. lb. .15½- —
monoethylether, dms., c.l., works. lb. .14½- —
l.c.l., works. lb. .15½- .16½
tanks, works. lb. .13½- —
Monoethylether, acetate, dms., c.l., works. lb. .11⅞- —
l.c.l., dms. lb. .12½- .15½
tanks, works. lb. .10¾- —
Monomethylether, dms., c.l., works. lb. .15½- —
l.c.l., works. lb. .16¾- —
tanks, works. lb. .14¼- —
Ethylidinaniliin, dms. lb. .48 - .47½
Eucalyptol, cns., dms. lb. 1.15 - 1.25
Eucalyptus leaves, bls. lb. .11 - .12
Eugeno', cns., dms. lb. 2.00 - 2.10
Euphorbia, bls. lb. .09 - .10

F

Feldspar, enamel, 100 mesh, bulk, works. ton.14.00 -17.50
l.c.l., minimum 2 tons. ton.17.00 -20.50
glass, 20 mesh, bulk, works. ton. 9.75 -12.25
l.c.l., minimum 2 tons. ton.12.75 -16.25
pottery, bulk, Me., works, ton.17.00 -19.00
N. C., works. ton.17.00 -19.00
l.c.l., minimum 2 tons. ton.20.00 -22.00
Fennel seed, Argentine, bgs. lb. .10 - .11½
Indian, bags. lb. .09 - .09½
French, bgs. lb. No stocks
German, large, bgs. lb. No stocks
Roumanian, bgs. lb. .11¼- .12
Fenugreek, seed, bgs. lb. .06¾- .07¼
Ferric, sulphate, anhyd., c.l., works. ton.35.00 - —
l.c.l. ton.40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works. lb. .12 - —
smaller lots, works. lb. .13 - —
light, cs., 1,000 lbs. or over, works. lb. .13 - —
smaller lots, works. lb. .15 - —
water white, cs., 1,000 lbs. or over, works. lb. .14 - —
smaller lots, works. lb. .15 - —
Fir balsam, Canada, cns. gal.16.50 -17.00
Oregon, bbls. gal. 1.10 - 1.25
Fish berries, bgs. lb. .26 - .27
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures. unit-ton. 4.35 & .10
meal, bgs., f.o.b. Balto. ton.66.00 - —
6-7% ammon., 3% phosphor. acid, bulk, Chesapeake Bay factories, contracts unit-ton. 2.75 & .50
sardine, Japanese, 11½% ammon. bgs., c.i.f. ports. ton. No prices
Flake white, dom., bbls. lb. .09 - —
kegs lb. .11 - —
Fleaseed, French, black, bgs. lb. .55 - .60
Indian, blonde, bgs. lb. .11 - .12
Fluorspar, dom., No. 1 ground, bulk, 96-98%, f.o.b. mines, net ton.32.00 - —
washed gravel, 85.5 f.o.b. Ky. and-Ill.-Ky. mines. net ton.22.00 -23.00
No. 2, lump, 85.5 f.o.b. Ky. ton.
and Ill. mines. net ton.22.00 -23.00
imported, 85.5, duty paid, short. No prices

Formaldehyde, bbls., c.l., works, lb.	.0550-	.0575
l.c.l., works lb.	.06 -	.0625
dms., c.l., works lb.	.0515-	.0540
l.c.l., works lb.	.0565-	.0590
tanks lb.	.04 -	.04¼
Formaldehyde prices are under an OPA ceiling.		
Fringetree bark, bls. lb.	.14 -	.15
Fullers earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines ton.	15.00 -	—
import, bgs., c.l., ex dock tcn.	No prices	
l.c.l., ex whse ton.	No prices	
Furfural, ref., dms., c.l., works, lb.	.15 -	—
l.c.l., works lb.	.17½ -	.28
tech., dms. contracts, 150,000 lbs lb.	.10 -	—
c.l., works lb.	.12½-	—
l.c.l., works lb.	.15 -	.20
tanks, works lb.	.09 -	—
Fusel oil, refd., dms., incl., dlvd., lb.	.17½-	.19½
Fustic, cryst., bgs., No. 1 lb.	.32 -	—
No. 2 lb.	.30 -	—
No. 3 lb.	.28 -	—
extract, bbls., No. 1 lb.	.16 -	—
No. 2 lb.	.15 -	—
No. 3 lb.	.12½-	—

G

G salt, bbls. lb.	.45 -	
Galangal root, bls. lb.	.11 -	.12
Gambier, common, cases lb.	.09	Nom.
plantation, cases lb.	.12	Nom.
cubes, Singapore, cases lb.	.19	Nom
extract, bbls. lb.	.09½ -	.12
Gasoline at refinery:—		
Bayonne, US motor, tanks, ex tax gal.	.07½-	.08
California (f.o.b. San Francisco), regular, trucks, tax incl. gal.	.14½-	—
Gulf Coast, US motor, 72-74 octane, tanks, ex tax gal.	.07½-	—
Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax gal.	.05¾-	.06¼
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax gal.	.05¾-	.06¼
natural, 18-55, tanks gal.	.05¼-	—
26-70, tanks gal.	.04¼-	—
Gelatine, silver, cs. lb.	.70 -	.77
Gelsemium root, bls. lb.	.14 -	.15
Gentian root, bls lb.	.72 -	.75
grd., bbls., bxs lb.	.74 -	.76
powd., bbls., bxs lb.	.76 -	.78
Geraniol, 92-96%, cns., dms. lb.	2.35 -	2.50
other grades, cns., dms. lb.	1.50 -	2.25
soap, cns., dms. lb.	.90 -	1.35
Ginger, African, No. 1, bgs. lb.	.28 -	.29
Cochin, bgs lb.	.22 -	.23
Jamaica, bold, bgs. lb.	.40 -	.41
medium, bgs. lb.	.36½-	.37
grinding, bright, bgs. lb.	.35½-	.36
Ginseng root, wild southern, cs. lb.	12.00 -	13.00
Glauber's salt, anhyd. (see Soda Sulphate).		
cryst., dom., bgs., bbls., c.l., works 100 lbs.	1.05 -	1.25
5 tons or over, works, 100 lbs.	1.15 -	1.35
less than 5 tons, works, 100 lbs.	1.25 -	1.45
import, bxs 100 lbs.	No prices	
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd. East or Midwest lb.	.16	Nom.
l.c.l. lb.	.16½	Nom.
36/58, c.l. lb.	.15½	Nom.
l.c.l. lb.	.16	Nom.
58/82, c.l. lb.	.17	Nom.
l.c.l. lb.	.17½	Nom.
82/108, c.l. lb.	.17½	Nom.
l.c.l. lb.	.18	Nom.
hide, calcimine type, 58 millipoise, 135 jelly-grams, bgs., c.l., dlvd. East or Midwest lb.	.19	Nom.
l.c.l. lb.	.19½	Nom.
60/164, c.l. lb.	.19½	Nom.
l.c.l. lb.	.21	Nom.
67/122, c.l. lb.	.21½	Nom.
l.c.l. lb.	.22	Nom.
75/222, c.l. lb.	.24½	Nom.
l.c.l. lb.	.25½	Nom.
68/231, c.l. lb.	.24½	Nom.
l.c.l. lb.	.26½	Nom.
92/283, c.l. lb.	.26½	Nom.
l.c.l. lb.	.27½	Nom.
102/315, c.l. lb.	.27½	Nom.
l.c.l. lb.	.28	Nom.
113/347, c.l. lb.	.28	Nom.
l.c.l. lb.	.29	Nom.
125/379, c.l. lb.	.29	Nom.
l.c.l. lb.	.30	Nom.
Glue prices for barrel packing are ½c. per lb. higher; grinding charges, 20-40 mesh, ½c. per lb.; 60 mesh, 1c. per lb.		
Glycerin, CP, cns., l.c.l. lb.	.21½-	.22
dms., c.l., dlvd. lb.	.19½-	—
l.c.l., dlvd. lb.	.20 -	—
tanks, dlvd. lb.	.19¼-	—
dynamite, dms. lb.	Nominal	
high gravity, dms., c.l., dlvd. lb.	.19½-	—
l.c.l., dlvd. lb.	.20 -	—
tanks, dlvd. lb.	.19¼-	—
saponification, basis 88%, for industrial users, special colors, dms., returnable, c.l., dlvd. lb.	.20½	Nom.
l.c.l., same basis lb.	.21½	Nom.
tanks lb.	.20	Nom.
refiners, dms., returnable, tanks, dlvd. lb.	.19	Nom.
soaplye, basis 80%, dms., returnable, tanks, dlvd. lb.	.18	Nom.
Glycine, medicinal, bbls., tins lb.	1.70 -	2.00
Glycol borborate, dms. lb.	.22 -	—
Phthalate, dms. lb.	.38 -	—
Stearate, dms. lb.	.26 -	—
Gold, U.S. purchase price oz.	35.00 -	—
Chloride, acid brown, both. oz.	20.75 -	21.00
yellow, bots. oz.	18.75 -	19.00
Gold-soda chloride, photo., bots., oz.	13.00 -	—
USP IX, bots. oz.	14.50 -	14.75
Gold of pleasure, seed, bgs. lb.	.19 -	.19½
Goldenseal, root, bls. lb.	3.50 -	3.60
powd., bxs lb.	3.75 -	3.85
Grains of paradise, bgs. lb.	.35 -	.37
Graphite, flake (cryst.), 90% 325 mesh, 50% graphite carbon, bgs., c.l., works lb.	.07 -	—
bbls., c.l., works lb.	.07¼-	—
l.c.l., works lb.	.07½-	—
amorph., powd., 90% 325 mesh, 65% graphite carbon, bgs., c.l., works lb.	.02½-	—
l.c.l., works lb.	.03½-	—
bbls., c.l., works lb.	.02¾-	—
80% graphite, carbon, bgs., c.l., works lb.	.03½-	—
bbls., c.l., works lb.	.03¾-	—
l.c.l., works lb.	.04½-	—
Grease, house lb.	.08 -	—
white lb.	.08½-	—
yellow lb.	.08 -	—
Wool (see Adeps lanae and Degras).		

Green, chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb.	.21 -	—
6-10%, bbls., same basis lb.	.22 -	—
11-15%, bbls., same basis lb.	.23 -	—
16-20%, bbls., same basis lb.	.23½-	—
21-25%, bbls., same basis lb.	.24 -	—
26-30%, bbls., same basis lb.	.24½-	—
31-35%, bbls., same basis lb.	.25½-	—
36-40%, bbls., same basis lb.	.27 -	—
41-45%, bbls., same basis lb.	.28½-	—
46-50%, bbls., same basis lb.	.30 -	—
Green, chrome, prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.		
reduced, CP, color content up to 5%, same basis lb.	.08 -	—
9-10%, bbls., same basis lb.	.08¾-	—
11-13%, bbls., same basis lb.	.07¼-	—
14-16%, bbls., same basis lb.	.07½-	—
17-19%, bbls., same basis lb.	.07¾-	—
20-21%, bbls., same basis lb.	.08 -	—
22-23%, bbls., same basis lb.	.08¼-	—
24-25%, bbls., same basis lb.	.08½-	—
26-27%, bbls., same basis lb.	.08¾-	—
28-29%, bbls., same basis lb.	.09¼-	—

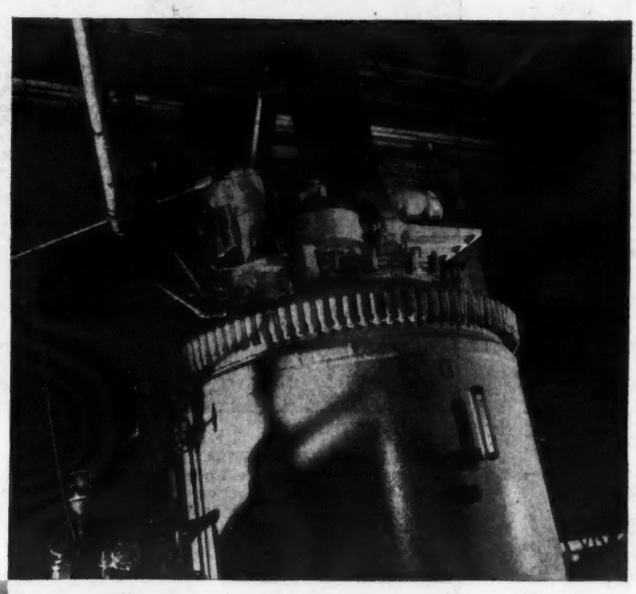
Green, chrome, reduced, c.p., color content 30-31%, bbls., same basis lb.	.10 -	—
32-33%, bbls., same basis lb.	.11¼-	—
34-35%, bbls., same basis lb.	.12¼-	—
36-40%, bbls., same basis lb.	.14½-	—
41-45%, bbls., same basis lb.	.16¼-	—
46-50%, bbls., same basis lb.	.16¾-	—
51-55%, bbls., same basis lb.	.17½-	—
56-60%, bbls., same basis lb.	.17⅞-	—
61-65%, bbls., same basis lb.	.18¼-	—
66-70%, bbls., same basis lb.	.19¼-	—
71-75%, bbls., same basis lb.	.20¼-	—
Oxide, dom., pure, bbls. lb.	.25 -	—
ceramic, light shades, bbls., c.l., works lb.	.25 -	—
l.c.l. works lb.	.30 -	—
standard grade, bbls., works lb.	.21 -	.23
Tetrahydroxide, bbls lb.	.65 -	—
Paris (see P).		
Tunstated, brilliant, kgs lb.	3.75 -	—
emerald, kgs. lb.	2.60 -	—
Verdigris (see V).		
Green dyes are listed under Dyes		
Grindelia robusta, bls lb.	.09 -	.10
Guaiac resin, cs lb.	.80 -	.85
strained, cs lb.	.85 -	.90
Wood, bls lb.	.04 -	.06
Guaiacol, liq., dms lb.	1.55	Nom.
Carbonate, fib. dms., 25 lbs lb.	2.40 -	2.74
Gum, guarana, powd., cs lb.	1.20 -	1.35
Aloe (see A).		
Ammoniac, tears, cs lb.	.80 -	.85
Arabic, amber sort, cleaned, bgs. lb.	.24 -	.25
white, sorts, 1, bgs lb.	.45	Nom.
powd., bbls lb.	.27 -	.30
Asafetida (see A).		
Asphaltum (see A).		

Formaldehyde—Gum, Copal

Gum, benzoin, Siam, cs lb.	2.50 -	2.60
Sumatra, cs lb.	.23 -	.24
Camphor (see C).		
Chicle, prime, 38% moisture, bgs., ton lots lb.	.40 -	.43
Gum, copal, Congo, 1, water white transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Francisco lb.	.49½-	—
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gum prices on 80,000 lbs. min. apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ¼c. higher for 1-9 bags.		
2, water white, bgs., c.l., same basis lb.	.29½-	—
3, selected pale straw bold, bgs., c.l., same basis lb.	.24½-	—
4, pale bold straw, bgs., c.l., same basis lb.	.24 -	—
5, pale straw bold, bgs., c.l., same basis lb.	.22½-	—
6, pale amber bold, bgs., c.l., same basis lb.	.21½-	—
7, pale straw bold, bgs., c.l., same basis lb.	.17 -	—
8, light amber bold, bgs., c.l., same basis lb.	.17 -	—
9, medium light amber bold, bgs., c.l., same basis lb.	.13½-	—
10, rescraped hard amber bold, bgs., c.l., same basis, lb.	.13½-	—
11, hard dark amber bold, bgs., c.l., same basis lb.	.12½-	—

REICHHOLD

SYNTHETIC RESINS



BASE FOR BETTER SURFACE COATINGS

Chemistry has been the controlling factor in meeting the demands of greater protection, longer life, and superior appearance made of modern surface coatings.

The development of synthetic resins, through the exact science of chemistry, has been an invaluable aid to formulators in this advance. The highly controlled and pre-determined characteristics of these synthetic products have enabled paint manufacturers to produce better, more uniform coating materials.

Reichhold has been a leading contributor in this development. The work of its research staff has won an enviable reputation for this institution throughout the industry. Their findings are evidenced in the marked superiority of Reichhold's complete line of synthetic resins, processed copals, ester gums, synthetic oils and industrial chemicals.

REICHHOLD CHEMICALS
INCORPORATED DETROIT, MICHIGAN

Gum, Copal—Hydrastine Sulph.

Gum, copal, Congo, 12, selected bold sorts, bgs., c.l., same basis..lb. .11⅞- —
12, dark sorts bold, bgs., c.l., same basis..lb. .09½- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23⅜- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .19⅜- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09¼- —
17, pale, fingers, bgs., c.l., same basis..lb. .18⅜- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19¼- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18⅜- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12⅜- —
22, small mixed nubs, bgs., same basis..lb. .10⅜- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11⅜- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17¼- —
26, pale small nubs, c.l., same basis..lb. .10⅜- —
27, pale small nubs, bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .08⅜- —
Batu, bold scraped, bgs....lb. .11¼- —
unscraped, bgs.....lb. .10¼- —
chips, bgs.....lb. .07¼- —
dust, bgs.....lb. .07 - —
nubs and chips, bgs.....lb. .07¼- —
black, bold, scraped, bgs..lb. .12½- —
unscraped, bgs.....lb. .08 - —
nubs and chips, bgs.....lb. .07¾- —
Hiroe, Macassar, pale bold, bgs..lb. .14⅞- —
chips, bgs.....lb. .10¼- —
dust bgs.....lb. .07 - —
nubs, bgs.....lb. .12 - —
Singapore, Rasak, bold, bgs., lb. .20⅞- —
chips, bgs.....lb. .11½- —
dust, bgs.....lb. .07 - —
nubs, bgs.....lb. .16¼- —
Manila, Boean, amber and dark, bskts.....lb. .14 - —
light, bskts.....lb. .15⅝- —
Loba A, bskts.....lb. .14½- —
B, bskts.....lb. .14¼- —
C, bskts.....lb. .13⅞- —
CNE, bskts.....lb. .10½- —
D, bskts.....lb. .13¼- —
DK, bskts.....lb. .10 - —
dust, bskts.....lb. .07¾- —
Sambas and white split chips, bskts..lb. .15⅝- —
Singapore, dust, bskts.....lb. .07¾- —
Spirit-soluble, CBB, bskts., lb. .13½- —
DBB, bskts.....lb. .12¼- —
MA, bskts.....lb. .10¼- —
MB, bskts.....lb. .09¾- —
WS, bskts.....lb. .12¼- —
Philippine, Manila, amber sorts, bskts..lb. .10⅝- —
chips, pale, bskts.....lb. .13½- —
pale, small, bskts.....lb. .11⅞- —
extra pale, sorts, bskts...lb. .13¼- —
nubs, bskts.....lb. .14¼- —
scraped, bskts.....lb. .15½- —
seeds and dust, bskts....lb. .09¼- —
Pontianak, bold, genuine, bgs., lb. .22⅞- —
mixed, bgs.....lb. .17⅞- —
split, bgs.....lb. .19⅞- —
chips, bgs.....lb. .12⅞- —
nubs, bgs.....lb. .18⅞- —
Dammar, Batavia, A, cs., same basis as copal..lb. .29½- —
A/C, cs.....lb. .26½- —
A/D, cs.....lb. .23½- —
A/E, cs.....lb. .21¼- —
B, cs.....lb. .28 - —
C, cs.....lb. .23⅞- —
D, cs.....lb. .21¼- —
dust, cs.....lb. .11 - —
E, cs.....lb. .15 - —
F, cs.....lb. .11⅝- —
Singapore, 1, cs.....lb. .26½- —
2, cs.....lb. .21¼- —
3, cs.....lb. .11 - —
chips, cs.....lb. .19½- —
dust, cs.....lb. .11 - —
seeds, cs.....lb. .15 - —
Elemi, cns, same basis as copal..lb. .08⅞- —
Ester, ordinary, c.l., dms., contract, dlvd. New Eng., N. Y., N. J., Pa., Va., N. C., Ky., Ohio, Ind., Mich., Wis. and Ill..lb. .07½- .09
Mont., Idaho, Wyo., Nev., Utah, Col., Ariz., N. Mex. and Western Tex..lb. .08 - .09½
Pacific Coast (water shipt.)..lb. .07½- .10
Other points.....lb. .07¾- .10¼

For delivery of 3,000 pounds, prices are ¼c. per pound higher than the above in each case; for delivery of smaller lots, prices are ½c. per pound higher in each case. Spot prices are ⅛c. per pound higher.

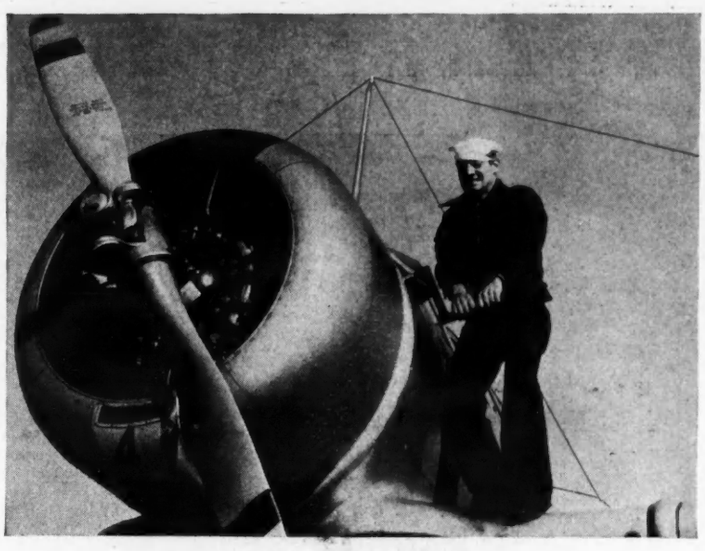
Euphorbium, cs.....lb. .70 - .55
Galbanum, cs.....lb. 1.40 - 1.50
Gamboge, pipe, cs.....lb. .95 - 1.00
powd., bbls.....lb. 1.05 - 1.10
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Gualac (see Gualac resins).
Karaya, bbls., bxs., dms.....lb. .14 - .33
Kauri, brown, XXX, cs., c.l..lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .25 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .15½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same basis....lb. .41 - —
2, cs., c.l., same basis....lb. .24 - —
3, cs., c.l., same basis....lb. .17¾- —
Kino, tins.....lb. No prices
Kino, tins.....lb. No prices
Locust bean, powd., bbls....lb. 1.40 Nom.
Mastic, cs.....lb. 1.50 - 1.65
Myrrh, USP, cs.....lb. .50 - .65
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb .20 - .35
Opium (see O.).
Rosin (see R).
Sandarac, cks.....lb. .52½- .55
Scammony, cs.....lb. 1.10 - 1.75
Talba, bgs.....lb. .14 Nom.
Thus, bbls. .....280 lbs.16.50 - —
Tragacanth, Alleppo, 1 cs....lb. 3.25 - 3.40
2 cs.....lb. 2.70 - 2.80
3 cs.....lb. 1.10 - 1.20
Yacca, bgs.....lb. .06½- .07¾

Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton.22.45 - —
Medicine Lodge, Kan., frt. equald..ton.17.00 - —
Harlem River, N. Y., frt. equald..ton.27.65 - —
New Brighton, N.Y.; frt. equald..ton.27.65 - —
Southard, Oklahoma, frt. equald..ton.17.00 - —
Sweetwater, Texas, frt. equald..ton.21.45 - —
plaster of paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton.12.50 - —
Acme, Tex., frt. equald.ton.12.50 - —
Medicine Lodge, Kans., frt. equald..ton.12.50 - —
Gypsum, plaster of paris, paper bgs., f.o.b. New Brighton, N. Y., frt. equald..ton.13.00 - —
Southard, Oklahoma, frt. equald..ton.12.50 - —
Sweetwater, Texas, frt. equald..ton.12.50 - —
stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Akron, N. Y.; Blue Rapids, Kansas; Clarence Center, N.Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southard, Okla.; Sweetwater, Tex.; frt. equald.. ton. 8.00 - —
Gypsum, terra Alba, dom., paper bgs., c.l., f.o.b. New Brighton, N.Y.; Southard, Okla..ton.12.00 - —
Harlem River, N. Y..ton.12.00 - —
import, bgs., ex dock....ton. No prices

H

Hawthorn berries, bgs.....lb. .45 - .46
Heliotropin, cryst., cns.....lb. 3.00 - 3.40
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .50 - .55
Hematine, cryst., bgs., No. 1..lb. .34 - —
No. 2..lb. .30 - —
No. 3..lb. .28 - —
No. 4..lb. .26 - —
No. 5..lb. .24 - —
paste, bxs, No. 1.....lb. .14½- —
No. 2.....lb. .13½- —
No. 3.....lb. .12½- —
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks, works.....lb. .03 - —
Hempseed, Manchur, bgs.....lb. .08 - .08½
Henbane leaves, bbls.....lb. 3.40 Nom.
Henna leaves, bls.....lb. .27 - .28
powd., bbls., bxs.....lb. .30 - .31
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .09 - —
Heptane, normal, 86-100°, dms., c.l., Group 3..gal. .11½- —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 - —
Hexaldehyde, normal, dms., c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipment, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .35 - —
fib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., dlvd., Group 3., gal. .24 - —
l.c.l., 5 or more, dlvd., Group 3..gal. .20 - —
1-5, dlvd., Group 3.....gal. .35 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works...lb. .25 - —
Homatropine hydrobromide, 25 oz., bots..oz.17.50 -32.00
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.75 - 3.00
Hops, N.F., bls.....lb. .20 - .2
Horehound, bls.....lb. .11 - .1
Hydrangea root, bls.....lb. .08 - .0
Hydrastine, bots., 4 ozs.....oz.18.00 - —
Hydrochloride, bots., 4 ozs...oz.18.00 - —
Sulphate, bots, 4 ozs.....oz.18.00 - —

LIFE ON THE



(*Above*) **A TRAINING PLANE WARMS UP** as a naval aviation cadet prepares to make his first instrument flight. Naval planes—one of the nation's first lines of defense—are constantly exposed to the action of wind and weather, must be finished with tightly adherent and highly durable coatings. Cyanamid resins are extensively used in the formulation of both primers and finishing coats on Navy planes.

(*Above*) **MINING OF BAUXITE.** Cyanamid
the pace as the demand increases sha
this valuable ore. Bauxite is employe
manufacture of many of the abrasives
essential in the fabrication and fini
many types of metal parts.

(*Right*) **AERIAL PHOTOGRAPHY** is an essential tool of defense work. Because of their unusually high efficiency, the AEROSOL* Wetting Agents offer exceptional advantages in carrying out photographic processes, as in practically all applications where it is desirable to reduce the surface tension of a liquid and speed up production.

(*Below*) **TIRES FOR TANKS** are among the defense uses for rubber. Cyanamid produces a full line of rubber chemicals, as well as intermediates for synthetic rubber.

(*Below*) **MANUFACTURE OF UNIFORMS**
a substantial boost in the textile in
output—requires increasing quant
Cyanamid's textile chemicals, and
stuffs produced by the Calco Division

	1.95	—
	.30	—
	.40	—
	.03¾	.04
	.16	.18½
	.90	.94
	5.25	Nom.
	3.50	—
	21.25	27.50
	21.25	27.50
	21.25	27.50
	.42	—
	.34	—
	.24	—
	.19	—
	.25	.27
	4.00	—
	2.14	2.20
	.16½	.19
	.74½	.85
	12.50	—
	33.00	34.00

Iodine, crude, jars, 25 lbs.....lb.	1.67	—
kgs., 150 lbs., less 5%, ex whse., Staten Island..lb.	1.35	1.44
resubl., bots., 5 lbs.....lb.	2.10	—
jars, 50 lbs.....lb.	2.00	—
Iodoform, dms., 100 lbs.....lb.	3.95	4.10
jars .....lb.	4.20	—
Ionone, alpha, bots.....lb.	2.75	2.80
beta, bots.....lb.	3.90	3.95
Methyl, alpha, 100%, cns....lb.	4.35	—
Ipecac root, bgs.....lb.	1.80	1.90
powd., bxs.....lb.	1.85	1.90
Irish moss, ordinary, bls.....lb.	.26	.28
powd., 80-90 mesh, bbls..lb.	.35	.38
prime bleached, bls.....lb.	.32	.38
Iron ammonia, N. F., IV, 100-lb. cbys..lb.	.15	—
djns., 50 lbs.....lb.	.16	—
liquor, bbls., c.l., divd....lb.	.03	—
l.c.l., divd.....lb.	.04	—
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs.	4.65	6.25
150-lb. dms.....100 lbs.	5.00	6.00
cryst., bbls., works, frt. alld. or equald..lb.	.05	.06
kegs, works, frt. alld. or equald..lb.	.07½	.08
liquor, cbys., wks., frt. alld. or equald..lb.	.05	.06
USP X, cryst., bbls.....lb.	.07½	—
kegs .....lb.	.08½	—
solut. cbys., works, frt. alld. or equald..lb.	.06½	.07
djns. .....lb.	.07½	—
Citrate, USP VIII, pearls....lb.	.72	.75
powd., cns.....lb.	.84	.87
scales, cns.....lb.	.77	.80

Iron, glycerophosphate, bbls., bgs., 1,000-lb. lots..lb.	3.30	—
100-lb. lots.....lb.	3.40	—
cns., 25 lbs.....lb.	3.52	—
Hyposulphite, bbls., dms.....lb.	1.50	1.60
Iodide, bots.....lb.	3.15	3.22
syrup, cbys.....lb.	.39	.40
bots. .....lb.	.53	—
Nitrate, red, tech., dms.....lb.	.03½	.04
Oxalate, powd., kgs.....lb.	.47	.49
cns. .....lb.	.52	—
scales, cns.....lb.	.82	.85
Oxide, black, bbls., works...lb.	.06	—
Phosphate, ferric, pearls, cns., 50 lbs..lb.	.54	—
25 lbs.....lb.	.57	—
scale, cns., 50 lbs.....lb.	.59	—
25 lbs.....lb.	.62	—
Pyrophosphate, pearls, cns...lb.	.59	.62
scales, cns.....lb.	.64	.67
Reduced, 90%, cs.....lb.	.65	.75
Sulphate, tech. (see Coppers and ferrie sulphate).		
Sulphate, USP, cryst., 275-lb. bbls..lb.	.04½	—
dms., 100 lbs.....lb.	.06¼	—
Iron-ammonia citrate, brown, gran., 2,000-lb. lots, dms..lb.	.32	—
200-lb. lots, dms.....lb.	.35	—
pearls, 2,000-lb. lots, dms..lb.	.32	—
200-lb. lots, dms.....lb.	.35	—
scales, 2,000-lb. lots, dms..lb.	.44	—
200-lb. lots, dms.....lb.	.47	—
Prices on green are the same as for brown.		
Iron-ammonia oxalate, bbls...lb.	.23½	—
dms., kgs.....lb.	.25½	—

Hydrastinine—Lead, Red

Iron-soda oxalate, bbls.....lb.	.23½	—
dms. .....lb.	.25½	.26½
Isobutyl acetate, 55-gal. dms., works...lb.	.0650	—
tanks, works.....lb.	.0760	—
Propionate, dms., works...lb.	.102	—
Isopentane, 50-gal. dms., single, works..gal.	.45	—
10-gal. dms., single, works..gal.	.55	—
Isophorone, dms., works.....lb.	.25	—
Isopropylamine, dms., works...lb.	.35	—
Isopropanol (see Alcohol, isopropyl).		
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb.	.12	—
c.l., E. of Rockies, frt. alld. lb.	.08½	—
l.c.l., E. of Rockies, frt. alld..lb.	.09	—
tanks, E. of Rockies, frt. alld..lb.	.07½	—
Alcohol (see Alcohol).		
Ether, dms., 5 gals., frt. alld. gal.	.35	—
55 gals., c.l., E. of Miss., frt. alld..gal.	.35	—
55 gals., c.l., W. of Miss., frt. alld..gal.	.39	—
l.c.l., E. of Miss., frt. alld., gal.	.44	—
tanks, E. of Miss., frt. alld., gal.	.25	—
W. of Miss., frt. alld., gal.	.29	—

J

Jaborandi leaves, bls.....lb.	.11	.13
Jalap root, NF, bls.....lb.	.37	.45
powd., bbls., bxs.....lb.	.42	.53
resin, lump, 100-lbs. lots, cns.lb.	3.85	—
powd., bxs.....lb.	5.90	—
Juniper berries, bgs.....lb.	.75	.90

K

Kamala, tins.....lb.	.83	.84
Kaolin (see China clay).		
Kava kava root, bls.....lb.	.14	.16
Kerosene at refinery:—		
Bayonne, 41-43 w.w., tanks, gal.	.0820	—
California (f.o.b. San Francisco) truck..gal.	.11½	—
Gulf ports, p.w., bulk.....gal.	.07½	—
Louisiana - Arkansas, 41-43 w.w., blk..gal.	.04¾	.04¾
Oklahoma-Texas, 41-43 w.w., tanks..gal.	.04¾	.04¾
Pennsylvania, 45 w.w., tanks, gal.	.05½	.06
Kola nuts, bgs.....lb.	.08	.09

L

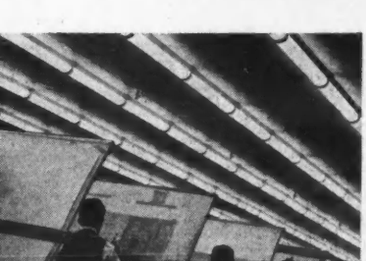
Lady slipper root, bls.....lb.	.36	.37
Lanolin (see Adeps lanae)		
Lard, city, tubs.....100 lbs.	11.75	11.85
Middlewestern, trcs....100 lbs.	11.15	11.25
Neutral, trcs.....100 lbs.	12.25	12.50
Western, choice, trcs..100 lbs.	11.25	11.35
Compound, trcs.....100 lbs.	15.50	15.75
Larkspur seed, bgs.....lb.	2.10	Nom.
Laurel berries, bls.....lb.	.25	.26
Leaves, Greek, bls.....lb.	.48	.49
Portuguese, bls.....lb.	.25	.27
Turkish, bls.....lb.	.58	.60
Spanish, bls.....lb.	.45	.47
Lavender flowers, ordinary, bls.lb.	.90	.95
medium, bls.....lb.	.83	.85
select, bls.....lb.	.93	.95
Lead acetate, white, broken, bbls., lb.	.12	.12½
cryst., bbls.....lb.	.12	.12½
gran., bbls.....lb.	.12¾	.12¾
powd., bbls.....lb.	.12¾	.12¾
Arsenate, bgs., c.l.....lb.	.09	.11
l.c.l., bgs.....lb.	.09½	.11½
Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick ups.		
Blue, basic sulphate, bbls., c.l., divd. E..lb.	.06¾	—
l.c.l., divd. E.....lb.	.07	—
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb.	.07	—
divd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb.	.07½	—
Carbonate (see Lead, white).		
Chloride, fib. dms., 100 lbs....lb.	.49	—
Iodide, NF V, powd., 5-lb. bots. lb.	2.50	—
jars .....lb.	2.69	—
Linoleate, pale, precip., dms., lb.	.19	—
Metal (see daily quotations in market report).		
Metallic, paste, 200-lb. cont., f.o.b. works..lb.	.10	—
5-lb. cont., f.o.b. works....lb.	.22	—
Nitrate, bbls.....lb.	.11	.14
Peroxide, powd., bbls., tech..lb.	.28	—
Oleate, bbls.....lb.	.18½	.20
Red, dry, 95% or less Pb_3O_4, bbls., c.l. (20 tons), divd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.....lb.	.0860	—
Other points.....lb.	.0885	—
l.c.l., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. Cascade Mts. in Ore. and Wash...lb.	.09	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash...lb.	.09½	—
Colo., Mont., N. Mex., Wyo..lb.	.09¼	—
Other points.....lb.	.09¾	—
smaller lots, Ala., etc. lb.	.09¼	—
Ariz., etc.....lb.	.10	—
Colo., etc.....lb.	.09¾	—
other points.....lb.	.09¼	—
97%, Pb_3O_4, bbls., c.l. (20 tons), divd. Ala., etc..lb.	.0885	—
other points.....lb.	.0860	—
l.c.l., 5 tons, divd., Ala., etc..lb.	.08¼	—
Ariz., etc.....lb.	.09¾	—
Colo., etc.....lb.	.07½	—
other points.....lb.	.09	—
smaller lots, divd. Ala..lb.	.09¾	—
Ariz., etc.....lb.	.10¼	—
Colo., etc.....lb.	.10	—
other points.....lb.	.09½	—

ICAL NEWSFRONT

(*Above*) **AMERICA'S MECHANIZED ARMY** typifies the most modern of defense equipment—adheres to an older military tradition chiefly in its color scheme, which is the time-tested olive drab. The paints used for finishing mechanized equipment incorporate resins derived from phthalic anhydride of which Cyanamid is one of the principal manufacturers.

reased chemical pro-
oration, a division of
its facilities for de-
projects in chemical
ractically entirely in

IN is daily routine for
* and AEROCARB**
ars and other metal
wear, while retaining



CTIVITY as new tracings are prepared for
id of REDSOL CRYSTALS† provides a
rial, Potassium Sodium Ferricyanide, for

(*Above*) **MUNITIONS NEEDED TO FEED THE GUNS** call for the use of such Cyanamid products as oleum, aniline, dimethylaniline, dinitromonoethylaniline.

anamid & Chemical Corporation

A Unit of American Cyanamid Company

LLER PLAZA NEW YORK, N. Y.

mid & Chemical Corporation
ety of its own manufacture

**Registered U. S. Patent Office
†Trade-mark

Lambert from Lewis

Sometimes a Fellow Has to WAIT HIS TURN

Like practically all chemical producers, we're at times having our own troubles in filling orders. • What with priorities, dearth of raw materials and the part we are proud to play in the Defense Program, it isn't always possible to give you the quick shipments you've had from us in normal times. • So, we ask your continuing patience. Keep sending your orders, with assurance that we're doing our level best to keep all our customers supplied, with the least possible delay.

HERE AT WAX HEADQUARTERS

MONTAN WAX Substitute No. 506

If your needs include MONTAN WAX, you'll find this a very satisfactory substitute.

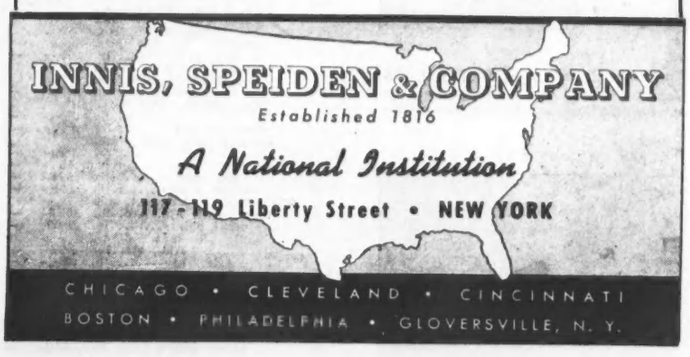
•

And . . . to take the place of JAPAN WAX

Try our JAPAN WAX Substitute No. 505

Our New Cincinnati Branch
is now in operation

This branch serves our customers in southern Ohio, Indiana and Kentucky. In charge is Mr. Robert D. Kane, formerly of our Cleveland Branch. The address is Carew Tower, Cincinnati, Ohio.


INNIS, SPEIDEN & COMPANY
Established 1816
A National Institution
117-119 Liberty Street • NEW YORK
CHICAGO • CLEVELAND • CINCINNATI
BOSTON • PHILADELPHIA • GLOVERSVILLE, N. Y.

Lead, Red—Magnesia

Lead, red, dry, 98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ala., etc., lb. .0910- —
other points..lb. .0885- —
l.c.l., 5 tons, dlvd. Ala., etc..lb. .09½- —
Ariz., etc..lb. .10 - —
Colo., etc..lb. .09¾- —
other points..lb. .09¼- —
smaller lots, dlvd. Ala., etc..lb. .10 - —
Ariz., etc..lb. .10½- —
Colo., etc..lb. .10¼- —
other points..lb. .09¾- —
in oil, 95% min., 100-lb. kgs., lb. .12½- —
Resinate, fused, 15%, bbls...lb. .09½- —
pale, bbls..lb. .11½- —
Silicate, bgs., 5 tons..lb. .0659- —
smaller lots..lb. .0701- —
Stearate, bbls..lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titinate, bgs. or bbls., c.l. basic sulphate, bbls., c.l., (20 tons), works, frt. alld..lb. .10½- —
l.c.l., 5 tons, one delivery, E., frt. alld..lb. .10½- —
Pac. Cst., ex whse..lb. .10½- —
smaller lots, E. frt. alld..lb. .10¾- —
Pac. Cst., ex whse..lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¾- —
other points..lb. .07½- —
l.c.l., dlvd. Ariz., etc...lb. .08 - —
other points..lb. .07¾- —
basic sulphate, bbls., c.l., dlvd. Ariz., etc..lb. .07 - —
other points..lb. .06¾- —
l.c.l., dlvd. Ariz., etc...lb. .07¼- —
other points..lb. .07 - —
in oil, 100-lb. kgs., consumers, lb. .13¼- —
dealers ..lb. .11¼- —
painters ..lb. .13¼- —

Consumers' prices and painters' prices are ¼c. lower on orders of 500 lbs. or more.

Lecithin, 100%, cns., f.o.b. N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same basis..lb. .45 - —
l.c.l., same basis..lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis..lb. .50 - .67½
grade 4, dms., c.l., same basis, lb. .50 - —
l.c.l., same basis..lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis..lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis..lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis..lb. .40 - .57½
grade 4, dms., c.l., same basis, lb. .40 - —

Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.

Lemon peel, bls..lb. .20 - .25
Licorice extract, mass, cs...lb. No prices
powd., bbls..lb. No prices
root, cuttings, bls..lb. .28 Nom.
powd., bbls., bxs..lb. .33 Nom.
select, bdls., cs..lb. .90 Nom.
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Adams, Mass..ton. 8.00 - —
Bellefonte, Pa..ton. 7.00 - —
Berkley, W. Va..ton. 7.00 - —
Carey, Ohio..ton. 7.00 - —
Cedar Hollow, Pa...ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass..ton. 8.00 - —
Gibsonburg, Ohio...ton. 7.00 - —
Hannibal, Mo..ton. 6.50 - —
Keystone, Ala..ton. 6.25 - —
Knoxville, Tenn..ton. 6.25 - —
Limedale, Ark..ton. 7.00 - —
Longview, Ala..ton. 6.25 - —
Manistique, Mich...ton. 8.00 - —
Martinsburg, W. Va.ton. 7.00 - —
Menominee, Mich...ton. 8.00 - —
Mitchell, Ind..ton. 6.50 - —
Newala, Ala..ton. 6.25 - —
Rincon, Cal..ton.13.00 - —
Ripplemead, Va..ton. 7.00 - —
Riverton, Va..ton. 7.00 - —
Rockland, Me..ton. 8.00 - —
San Francisco, Cal..ton.13.00 - —
Scioto, Ohio..ton. 6.50 - —
Springfield, Mo..ton. 7.00 - —
Woodville, Ohio..ton. 7.00 - —
York, Pa..ton. 7.00 - —
Hydrated, paper bgs., f.o.b.
Adams, Mass..ton. 8.50 - —
Bellefonte, Pa..ton. 8.50 - —
Berkley, W Va..ton. 8.50 - —
Buffalo, N. Y..ton.10.00 - —
Carey, Ohio..ton. 8.50 - —
Cedar Hollow, Pa...ton. 8.00 - —
Crab Orchard, Tenn.ton. 9.00 - —
Eagle Mountain, Va.ton. 8.50 - —
Farnams, Mass..ton. 8.50 - —
Gibsonburg, Ohio...ton. 8.50 - —
Hannibal, Mo..ton. 8.50 - —
Keystone, Ala..ton. 9.00 - —
Knoxville, Tenn..ton. 9.00 - —
Le Roy, Minn..ton.10.00 - —
Lime Crest, N. J...ton. 8.50 - —
Limedale, Ark..ton. 9.00 - —
Longview, Ala..ton. 9.00 - —
Louisville, Ky..ton.14.50 - —
Manistique, Mich...ton. 9.00 - —
Marblehead, Ohio...ton. 9.50 - —
Martinsburg, W. Va.ton. 8.50 - —
Mitchell, Ind..ton. 9.00 - —
Newala, Ala..ton. 9.00 - —
Potoskey, Mich...ton. 9.00 - —
Port Island, Mich...ton. 9.00 - —
Rapid City, S. D...ton.12.00 - —
Ripplemead, Va..ton. 9.00 - —
Rockland, Me..ton. 9.00 - —
San Francisco, Cal..ton.16.00 - —
Springfield, Mo..ton. 9.00 - —
Woodville, Ohio..ton. 8.50 - —
York, Pa..ton. 8.50 - —
Spray, paper bgs., f.o.b. Adams, Mass..ton. 9.50 - —
Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio..ton.11.00 - —
Farnams, Mass..ton. 9.50 - —
Gibsonburg, Ohio...ton.11.00 - —
Lime Crest, N. J...ton. 8.50 - —
Marblehead, Ohio...ton.11.00 - —
Rockland, Me..ton.10.00 - —
Scioto, Ohio..ton.10.00 - —
Woodville, Ohio..ton.11.00 - —
York, Pa..ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kans., Okla., Tex..lb. .07½- .08½
dms.. same basis..lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis..lb. .11 - —
less than 400 lbs., same basis..lb. .08½- .09½
dms., same basis..lb. .12 - —
Solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50, dms..gal. .11 - .16
Zone 3, tanks, dealers, dlvd. gal. .07½- —
30-50 dms..gal. .10½- .14½
Zone 4 ,tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, dlvd., gal. .10½- —
dms. ..gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms..gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3, Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minns., Mo. and Tenn. west of Tenn. River; Penn., eastern tier, and W. Va. western tier Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns..lb. 3.75 - 4.00
Linalyl acetate, 70%, cns.....lb. 3.00 - 3.50
90%, cns..lb. 4.00 - 4.50
92%, cns..lb. 5.50 - 6.20
Linden flowers, with leaves, bls.lb. .70 - .75
without leaves, bls..lb. .55 Nom.
Linseed, meal, bgs..ton.32.50 - —
Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark.; Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0760- —
dlvd., other points.....lb. .0735- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08 - —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08½- —
Colo., Mont., N. Mex., Wyo..lb. .08½- —
Other points..lb. .07¾- —
smaller lots, dlvd., Ala.lb. .08½- —
Ariz., etc..lb. .09 - —
Colo., etc..lb. .08¾- —
Other points..lb. .08¾- —
Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works..lb. 1.93 - —
25 lbs., works..lb. 1.95 - —
Carbonate, NF VI, 250-lb. bbls. lb. 1.25 - —
100-lb. kgs..lb. 1.30 - —
Chloride, 25-lb. jars ..lb. 1.65 - 1.70
Citrate, 250-lb. bbls..lb. 1.40 - —
25-lb. dms..lb. 1.45 - —
100-lb. kgs..lb. 1.40 - —
Fluoride, bbls..lb. 2.10 - 2.25
Iodide, 5-lb. bots..lb. 5.20 - —
25-lb. jars..lb. 5.05 - —
Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .06½- —
smaller lots..lb. .05½- —
bbls., c.l. (20 tons)..lb. .06½- —
smaller lots..lb. .05¾- —
Ordinary, bgs., c.l. (20 tons).lb. .0385- —
smaller lots..lb. .0410- —
bbls., c.l. (20 tons)..lb. .0410- —
smaller lots..lb. .0435- —

Lithopone in car lots is ¼c. per lb. higher delivered to the Pac. Cst., and in less car lots is ¼c. higher ex whse. Pac. Cst.

Liverwort, leaves, bls..lb. .60 - .65
Lobelia, herb, bls..lb. .23 - .25
Seed, bgs..lb. .35 - .36
Logwood, cryst., bgs., No. 1..lb. .28 - —
No. 2..lb. .26 - —
extract, bbls., No. 1..lb. .14 - —
No. 2..lb. .13 - —
No. 3..lb. .12½- —
No. 4..lb. .10 - —
solid, bxs., No. 1..lb. .23½- —
No. 2..lb. .21½- —
Lovage root, dms., bls..lb. .45 - .50
imported, bls..lb. .45 Nom.
Lupulin, N.E., tins..lb. 1.65 - 1.70
Lycopodium, cs..lb. 4.50 - 4.75

M

Mace, Banda, cs..lb. .47 - .48
Batavia, cs..lb. .29 - .30
Siauw, cs..lb. .27 - .28
West Indian, cs..lb. .51 - .52
Madder, Dutch, bbls..lb. .22 - .25
Magnesia, arsenate, dms..lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls..lb. .07½- —
kgs..lb. .08¾- —
l.c.l., bgs..lb. .07¼- —
bbls..lb. .08¼- —
kgs..lb. .09¾- —
Zone 2, c.l., bgs..lb. .06¼- —
bbls..lb. .07½- —
kgs..lb. .08¾- —
l.c.l., bgs..lb. .07 - —
bbls..lb. .08¼- —
kgs..lb. .09¾- —
USP, Zone 1, c.l., bgs..lb. .08 - —
bbls..lb. .08¼- —
kgs..lb. .09¾- —
l.c.l., bgs..lb. .09 - —
bbls..lb. .09¼- —
kgs..lb. .10¾- —
Zone 2, c.l., bgs..lb. .08 - —
bbls..lb. .08¼- —
kgs..lb. .09¾- —

Magnesia, USP, Zone 2, l.c.l., bgs..lb. .08½- —
bbls. .....lb. .09½- —
kgs. .....lb. .10½- —
Other points.....lb. .08 - —
Magnesia:—Zone 1—Mass., Conn., R. I., N.Y., N.J., Pa., D. of C., Del. and Md., c.l. shipments, frt. equald, with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, frt. alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.

Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls.lb. .25 - —
25-lb. dms.....lb. .30 - —
100-lb. kgs.....lb. .26 - —
Hypophosphite, cns., 100 lbs..lb. 1.45 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .83 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .15 Nom.
Stearate, bbls., ctns., 1 ton..lb. .28 - —
smaller lots.....lb. .29 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .37 - —
smaller lots, dms.....lb. .42 - —
cs., 500-lb. lots.....lb. .40 - —
100-lb. lots.....lb. .42 - —
5-lb. cns.....lb. .60 - —
Magnesite, cal., dom., bgs...ton.67.00 -75.00
imports, bgs., duty paid..ton. No prices
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash..ton.22.00 -25.00
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 Nom.
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .28 - .34
Mandrake root, bls.....lb. .14 - .15
Manganese acetate, dms.....lb. .26½ - —
Arsenate, bgs.....lb. .12 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works, ton.71.50 - —
5-15 tons, works.....ton.74.50 - —
½-4 tons, works.....ton.79.50 - —
Manganese, Caucasian, 85-90%, bbls., c.l., works....ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works...ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works...ton.74.75 - —
smaller lots, works...ton.79.75 - —
paper bgs., c.l., works...ton.70.00 - —
l.c.l., 5 tons, works....ton.73.00 - —
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.05 - —
100-lb. lots.....lb. 3.15 - —
cns., 25 lbs.....lb. 3.27 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.70 - —
jars, 25 lbs.....lb. 5.55 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —
Ore, Cuban, 51-52%, basis Atl. ports..unit-ton. .71 Nom.
Resinate, fused, 5½%, bbls..ton. .06¾- .08½
precip., dms.....lb. .12 - —

Manganese, sulphate, anhyd., ton lots, works..lb. .10½- —
single, bbls, works.....lb. .11½- —
fertilizer, 65%, MnSo., bgs., c.l., dlvd., South..ton.57.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.37.00 -38.00
Manna flake, large, cs.....lb. 2.00 Nom.
small, cs.....lb. 1.50 Nom.
Mannitol, com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .85 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .60 Nom.
Tunisan, bls.....lb. .32 - .33
Chilean .....lb. .12½- .13
Menthol, natural, Chinese, cs..lb. 7.00 - 7.50
Japanese, cs.....lb. 7.00 - 7.50
synthetic, USP, cs.....lb. No prices
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails.
50 lbs.....lb. 1.34 - —
25 lbs.....lb. 1.36 - —
50%, pails, 50 lbs.....lb. 1.94 - —
25 lbs.....lb. 1.96 - —
Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 2.82 - —
100-lb. fib. dms.....lb. 2.69 - —
25-lb. jars.....lb. 2.71 - —
Chloride (see Calomel).
Cyanide, cryst.....lb. 4.00 - 4.05
powd. .....lb. 4.00 - 4.05
Iodide, red, NF, 5-lb. bots..lb. 4.51 - —
100-lb. fib. dms.....lb. 4.40 - —
yellow, 5-lb. bots.....lb. 4.61 - —
fib. dms., 100 lbs.....lb. 4.50 - —
Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, tech. (see Yellow, mercury oxide).
NF VI, fib. dms., 50 lbs., or more..lb. 3.38 - —
Mesityl oxide, dms., c.l., dlvd..lb. .11½- —
l.c.l., dlvd.....lb. .12 - —
Mercury and chalk, 5-lb. ctns..lb. 1.85 - —
25-lb. fib. dms.....lb. 1.73 - 1.75
Metal leaf, Japanese, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in..pkg. 2.50 - —
composition, 5½x5½ in....pkg. 3.00 - —
gold, XX, deep, 23K, 3¾x3¾ in. pkg.15.00 - —
silver, 3¾x3¾ in.....pkg. 3.00 - —
Metanitroparatoluidin, bbls....lb. 1.05 - 1.10
Metaphenylenediamine, kgs....lb. .65 - —
Metatoluylenediamine, kgs....lb. .70 - —
Methanol, natural, producer group A, denat., grade tanks...gal. .60 - —
95%, tanks.....gal. .73 - —
97%, tanks.....gal. .75 - —
Pure, dms.....gal. .75 Nom.
99%, dms.....gal. .80 - —

Methanol in drums, car lots, is 6c. per gal. higher, frt. alld., east of the Miss. river. Prices on the Pacific Coast are 5c. higher on tanks and 4c. per gal. higher on drums; car lots.

group B, pure, tanks, frt. alld., Zone 1..gal. .40 - —
Zone 2.....gal. .42 - —
Zone 3.....gal. .44 - —
Zone 4.....gal. .44½- —

Methanol, natural, group B, dms., c.l., Zone 1..gal. .45½- —
Zone 2.....gal. .47½- —
Zone 3.....gal. .49½- —
Zone 4.....gal. .51½- —
l.c.l., Zone 1.....gal. .48½- —
Zone 2.....gal. .65½- —
Zone 3.....gal. .52½- —
Zone 4.....gal. .65½- —

Group B, 95% frt. alld., prices 2c. more than pure, all zones.

97%, frt. alld., prices 1c. more than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. alld..gal. .35½- —
2, frt. alld.....gal. .37½- —
3, frt. alld.....gal. .39½- —
4, frt. alld.....gal. .41½- —
l.c.l., Zone 1, frt. alld. or dlvd..gal. .38 - —
2, frt. alld. or dlvd..gal. .45½- —
3, dlvd., S. F. and L. A., gal. .42 - —
4, frt. alld. or dlvd..gal. .53½- —
tanks, Zone 1, frt. alld..gal. .30 - —
2, frt. alld.....gal. .32 - —
3, frt. alld.....gal. .34 - —
4, frt. alld.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev. Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- .12
W. of Miss. R.....lb. .11½- .13
l.c.l., dms., dlvd., E. of Miss. R..lb. .11 - .12½
W. of Miss. R.....lb. .12 - .13½
tanks, dlvd. E. of Miss. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., dlvd. E. of Miss. R..lb. .07 - .09
W. of Miss R.....lb. .08 - .10
l.c.l., dlvd. E. of Miss. R..lb. .07½- .09½
W. of Miss. R.....lb. .08½- .10½
tanks, dlvd. E. of Miss. R. lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. alld..lb. .29½- —
Acetone, natural, group A producers, E. of Rockies, frt. alld., tanks..gal. .60 - —
dms., c.l., same basis.....gal. .66 - —
l.c.l., same basis...gal. .71 - —

Methyl acetone prices on Pacific Coast are 5c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Magnesia—Methylcyclohex.

Methyl acetone, natural, group B, producers, tanks, Zone 1..gal. .50 - —
Zone 2.....gal. .52 - —
Zone 3.....gal. .54 - —
Zone 4.....gal. .54½- —
dms., c.l., Zone 1.....gal. .55½- —
Zone 2.....gal. .57½- —
Zone 3.....gal. .59½- —
Zone 4.....gal. .61½- —
l.c.l., Zone 1.....gal. .58½- —
Zone 2.....gal. .75½- —
Zone 3.....gal. .62½- —
Zone 4.....gal. .75½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash.; Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Methyl acetone, synthetic, tanks, Zone 1..gal. .43 Nom.
Zone 2.....gal. .44½ Nom.
Zone 3.....gal. .45½ Nom.
Zone 4.....gal. .45½ Nom.
dms., c.l., Zone 1.....gal. .51 Nom.
Zone 2.....gal. .52 Nom.
Zone 3.....gal. .53½ Nom.
Zone 4.....gal. .54½ Nom.
l.c.l., Zone 1.....gal. .64½ Nom.
Zone 2.....gal. .57 Nom.
Zone 3.....gal. .58 Nom.
Zone 4.....gal. .59 - —
Alcohol (see Methanol).
Anthranilate, bots.....lb. 2.00 - 2.30
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Chloride, refrigeration, 500 lbs. and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers..lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 150-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Methyl. cinnamate, bls.....lb. 1.50 - 4.00
Formate, dms.....lb. .69 - —
Lactate, dms., l.c.l., dlvd...lb. .80 - —
Iodide, bots.....lb. 4.00 - 4.15
Salicylate, dms.....lb. .25 - .27
cns. .....lb. .37 - .40
Molybdated violet toner, bbls.lb. .35 - —
Methylamyl ketone, dms., works, l.c.l..lb. .35 - —
smaller containers, same basis, lb. .36 - —
Methylcellulose, dms., 2,000 lbs. or more, works..lb. .50 - —
100 to 1,999 lbs., works...lb. .55 - —
1 to 99 lbs., works.....lb. .65 - —
Methylcyclohexane, 98-100%, dms., works..lb. .18 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .32 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .32 - —

Spot Deliveries

Sodium Acetate

ZINC SULPHATE . . . NICKEL SULPHATE . . . COPPER CARBONATE
WHITE HEAVY CALCINED MAGNESIA . . . . NICKEL CHLORIDE
WHITE CALCINED MAGNESITE . . . . SODIUM HYDROSULPHITE

OTHER SPECIAL PRODUCTS

Distributors for RUFERT CHEMICAL COMPANY

NICKEL FORMATE . . . . ALSO NICKEL CATALYST
NICKEL CARBONATE . . . NICKEL OXIDE . . . ETC.

GOLWYNNE CHEMICALS CORPORATION

420 LEXINGTON AVENUE • NEW YORK, N. Y. • PHONE LE 2-9740

Methylene Blue—Ocher

Methylene blue, medci., kgs., 100 lbs..lb. 2.00 - —
cns., 5 lbs.....lb. 2.25 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .06½- —
l.c.l., same terms.....lb. .09 - —
tanks, same terms.....lb. .07½- —
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., c.l., divd..lb. .12 - —
l.c.l., divd.....lb. .12½- —
tanks, divd.....lb. .11 - —
Methylnaphthyl ketone, dom., cryst., cns..lb. 2.75 - 3.05
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh, containers extra, c.l., same basis..ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh, containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh, containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works..lb. .03 - —
500 lbs., works..lb. .03½- —
100 lbs., works.....lb. .03 - —

Mica, dry grd., amber, refined, bgs., extra and returnable, c.l., works..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.30.00 - —
paint, bgs. extra and returnable, c.l., works..ton.55.00 - —
l.c.l., 5,000 lbs., works, ton.65.00 - —
white, No. 1 quality, bgs., extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs., works, ton.45.00 - —
1,000 lbs., works...lb. .02½- —
500 lbs., works...lb. .03 - —
Mica, dry, roofing, bgs., extra and returnable, c.l., works..ton.29.00 - —
l.c.l., 5,000 lbs., works, ton.39.00 - —
paint, bgs. extra and returnable, c.l., works..ton.50.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. alld. E..lb. .04½- —
l.c.l., ex whse., or frt. alld. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. alld. E..lb. .04⅝- —
l.c.l., ex whse., or frt. alld. E..lb. .04⅞- —
rubber, bgs., c.l., frt. alld. E. lb. .04 - —
l.c.l., ex whse., or frt. alld. E..lb. .04½- —
biotite, bgs., c.l., frt. alld. E..lb. .03½- —
l.c.l., ex whse. or frt. alld. E..lb. .04 - —

Wet-ground mica prices are ½c. per pound higher west of Rockies.

Milk, powder, skimmed, roller, bbls., c.l..lb. .11½- —
l.c.l. .....lb. .12½- —
spray, bbls., c.l.....lb. .11½- —
l.c.l. .....lb. .12½- —
unskimmed, roller, bbls., c.l., lb. .26 - —
l.c.l. .....lb. .27 - —
spray, bbls., c.l.....lb. .26 - —
l.c.l. .....lb. .27 - —
Millet seed, yellow, bgs.....lb. .0240- .0260
early fortune, bgs.....lb. .02¼- .02⅝
hulled, bgs.....lb. .06½- .06⅝
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .09½- —
f.o.b. Gulf ports.....gal. .09 - —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99%, powd..lb. 2.60 - 3.00
Trioxide, pure, kgs., basis Mo. content, works..lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —
Monoamylamine, dms., basis 100%, c.l., wks..lb. .50 - —
l.c.l., works.....lb. .53 - —
Monoamylnaphthalene, l.c.l., dms. works..lb. .17 - —
Monobutylamine, dms., basis 100%, c.l., wks..lb. .37 - —
l.c.l., works.....lb. .40 - —
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .23 - —
Monoethylamine, basis 100%, dms., c.l., works..lb. .32 - —
l.c.l., works.....lb .35 - —

Monochlorobenzene, dms., l.c.l. lb. .07 - —
smaller, cns.....lb. .09 - .09
Monoethylanilin, dms.....lb. .77 Nom.
Monomethylamine, dms., c.l., divd..lb. .60 - —
l.c.l., divd.....lb. .65 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monomethylpara-aminophenol-sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.90 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Hydrochloride, powd., 5-oz. bots. oz. 9.00 - —
25-oz. cans.....lb. 8.80 - —
Sulphate, bots., 5 ozs.....oz. 9.00 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c., works..lb. .67 - —
smaller containers, works....lb. .75 - —
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 1.50 - 1.65
Musk, nat., Tonquin, grains, bots..oz.30.00 - 35.50
synth., ambrette, cns., 100 lbs. or more..lb. 3.75 - —
5 lbs. to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 4.20 - —
ketone, cns., 100 lbs. or more, lb. 3.90 - —
5 lbs. to 75 lbs.....lb. 4.00 - —
1 lb.....lb. 4.85 - —
xylol, cns., 100 lbs. or more, lb. 1.15 - —
5 lbs. to 75 lbs.....lb. 1.25 - —
1 lb.....lb. 1.55 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown, lb. .16 - .16¼
yellow, bgs.....lb. .13½- .14
Chinese, yellow, bgs.....lb. .08¾- .09¾
Danish, yellow.....lb. .27 - .28
English, yellow, bgs.....lb. .27½- .28
Dutch yellow, bgs.....lb. No stocks
Montana, yellow, bgs.....lb. .10 - .11
Roumanian, yellow.....lb. .14½- .15
Myrobalans, J1, bgs., f.a.s...ton. No price
J2, bgs., f.a.s.....ton. No price
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, bbls.....lb. .10 - .16½

N

Naphtha, Painters (see Petroleum, naphtha, Y. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., tanks, works...100 lbs. 2.25 - —
78 deg., tanks, works..100 lbs. 2.50 - —
Naphthalene, refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works, lb. .06 - —
50-lb. cs., same basis....lb. .08¼- —
pkgs. (16 oz.), same basis..lb. .08½- —
(12 oz.), same basis....pkg. .07 - —
Nerolin, cryst., cns.....lb. 1.35 - 1.50
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100 lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine, sulphate, 40%, dms., works, frt. alld..lb. .703 - —
10-lb. tins.....lb. .86½ - —
Niger seed, bgs.....lb. .15 - .16
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l., lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½ and 40 sec. vis., bbls., wks., lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35, ¼, ½ sec., bbls., c.l., dry weight, works..lb. .22 - —
l.c.l., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
5-6, 15-20, 30-40, and 60-90 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
Lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .29 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, l.c.l., dms., works, lb. .35 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, dom., 10% ammon., bulk, f. o. b. Carrollville, Wis., divd..unit-ton. 2.25 Nom.
f.o.b. Chemical, Ill..unit-ton. 2.25 Nom.
f.o.b. East Coast producing points..unit-ton. 2.75 - 3.00
import, bgs., c. i. f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Aleppo, bgs., oz....lb. No prices
Chinese .....lb. .30 Nom.
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs..lb. .18½- .19
110s, bgs., cs.....lb. .17 - .17½
small, grinding, bgs.....lb. .15 - .15½
West Indian, bgs.....lb. .14½- .14⅝
Nux Vomica, hls.....lb. .07 - .08
powd., bbls., bxs.....lb. .11 - .12

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03½- —
l.c.l., bbls., works.....lb. .03¾- —
tanks .....lb. .03 - —
Ocher (see Yellow).

Exchange X

OIL OF LEMON U·S·P·

Outsells ALL OTHER BRANDS COMBINED 3 to 1

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DODGE & OLCOTT COMPANY
180 VARICK STREET, NEW YORK, N. Y.

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CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIFORNIA

PRODUCING PLANT: EXCHANGE LEMON PRODUCTS CO., CORONA, CALIFORNIA

Copr., 1940, California Fruit Growers Exchange, Products Department

Octane, 100-140° C., industrial grade, dms., c.l., G. S. gal. .15 - —
l.c.l., G.S. gal. .27 - —
10 gals., G.S. gal. .55 - —
tanks, G.S. gal. .12½- —
Octanol, normal, tech., 360-lb. dms., divd. lb. .85 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, U.S.P., bots. lb. 3.60 - 3.75
sweet, true, exp., cns. lb. 1.80 - 1.85
Amber, crude, cns. lb. No stocks
ref'd, cns. lb. No stocks
Amyris, cns. lb. 3.75 - —
Angelica, root, bots. lb. No stocks
seed, bots. lb. 110.00- 120.00
Anilin (see A).
Anise, USP, cns., dms. lb. 1.15 - 1.35
Apricot, kernels, cns. lb. .40 - .48
Avocado, cns., dms. lb. .80 - .90
Bay, W. I., 50-55% phenols, cns. lb. .90 - 1.25
55-66% phenols, cns. lb. 1.00 - 1.35
Bergamot, artif., cns. lb. 2.75 - 3.25
natural, coppers lb. 20.00 Nom.
Birch (see Oil, sweet birch).
Birchtar, crude, cns. lb. .90 - —
rect'fd., cns. lb. 1.50 - —
Bois de Rose, Brazil, cns. lb. 3.65 - 3.75
Cade USP IX (see Oil Juniper tar).
Cajeput, tech., dms. lb. .82 - 1.10
USP IX, cns. lb. .84 - 1.25
USP X, cns. lb. 1.10 - 1.25
Calamus, cns. lb. No stocks
Camphor, sassafrassy, cns. lb. .29 - .30
dms. lb. .27 - .29
white, cns. lb. .32 - .33
dms. lb. .30 - .31
Cananga, native, cns. lb. 10.00 -11.00
rectified, cns. lb. 11.00 -12.00
Capsicum (oleoresin), USP VIII, cns. lb. 3.85 - 5.80
Caraway, USP, cns. lb. 12.00 -12.50
Cardamom, bots. lb. 25.50 -35.00
Cassia, USP, cns. lb. 5.75 - 6.00
Castor, blown, one-way dms., c.l. lb. .13¼- —
l.c.l. lb. .14 - —
cold pressed, USP, bbls., c.l. lb. .12¼- —
l.c.l. lb. .13 - —
cns. (1-gal.), l.c.l. lb. .15¾- —
dms. (returnable), c.l. lb. .11¾- —
l.c.l. lb. .12½- —
(5-gal.), l.c.l. lb. .13¾- —
tanks lb. .11 - —
dehydrated, dms., c.l. lb. .1640- —
l.c.l. lb. .1680- —
tanks lb. .1550- —
extracted No. 3, tech., bbls., c.l. lb. .11½- —
l.c.l. lb. .12¼- —
dms. (returnable), c.l. lb. .11½- —
l.c.l. lb. .12¼- —
tanks lb. .10¾- —
sulphonated, 50% (43% fat), dms., c.l. lb. .07¾- —
l.c.l. lb. .08¾- —
75% (63% fat), dms., c.l. lb. .10¼- —
l.c.l. lb. .11¼- —
80% (68% fat), dms., c.l. lb. .11 - —
l.c.l. lb. .12 - —
Castor oil, USP, and No. 3, prices are divd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums ¼c. higher, all points.
Cedarleaf, cs. lb. 1.03 - 1.38
dms. lb. 1.00 - 1.35
Cedarwood, Southern, cns. lb. .32 - .33
dms. lb. .30 - .31
Celery, bots. lb. 30.00 -35.00
Chaulmoogra, USP, cns. lb. .65 -
Chinawood, dms. lb. .35¾ Nom.
tanks lb. .34¼ Nom.
Cinnamon, bark, bots. lb. 9.75 -32.00
leaf, dms. lb. 1.00 - 1.20
Citronella, Ceylon, cns. lb. 1.05 Nom.
dms. lb. 1.00 Nom.
Java, cns., dms. lb. .85 - 1.00
Clove, makers, USP, cns. lb. 1.20 - 1.25
dms. lb. 1.15 - 1.20
Coconut, Manila, crude, tanks, lb. .07¾ Nom.
edible, 76°, dms., c.l. lb. .13 Nom.
l.c.l. lb. .13½- .14
tanks lb. No prices
Cod, Newf., dms. gal. .78 - .80
Codliver, med., U.S.P., bbls. bbl. .85 - .90
Coriander, bots. lb. 26.00 -30.00
Corn, crude, tanks, works. lb. .12½ Nom.
refd., bbls. lb. .15¾ Nom.
Cottonseed, cooking, bbls. lb. .15 - —
salad, bbls. lb. .15¾- —
Creosote (see C).
Croton, N.F., cns. lb. 2.40 - 3.00
Cubeb, USP, cns. lb. 3.50 - 3.75
Crude (see Petroleum, crude).
Cumin, bots. lb. 8.00 -12.00
Cypress, bots. lb. 12.00 - —
Degrass (see D).
Dill seed, bots. lb. 6.50 - 6.75
weed, bots. lb. 5.75 - 6.00
Dip (see L).
Erigeron, cns. lb. 2.25 - 2.35
Eucalyptus, cns. lb. .68 - .73
dms. lb. .65 - .70
Fennel, sweet, cns. lb. 2.50 - 2.75
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns. lb. 16.00 - —
Bourbon, cns. lb. 16.00- —
Turkish (see Palmarosa)
Grapefruit, cns. lb. 1.65 - 2.65
Grapeseed, dom., dms. lb. .35 - .36
imported, dms. lb. .15 - .20
Ginger, dist., bots. lb. 6.75 - 9.50
Guaiac wood, concrete, bots. lb. 3.75 - 4.50
Halibut liver, ref., dms. gal. 38.50 - —
Hemlock, cns. lb. .95 - 1.15
Juniper, berry, cns. lb. 15.00 - —
wood, tech., cns. lb. No stocks
Juniper tar, USP XI, dms. lb. .72 - .95
Lard, common, 1, bbls. lb. .12½- —
2, bbls. lb. .12¼- —
extra, bbls. lb. .13 - —
1, bbls. lb. .12¾- —
Winter, strained, bbls. lb. .13¼- —
prime, burning, bbls. lb. .13¾- —
prime, ined., bbls. lb. .13½- —
Laurel, bots. lb. 5.00 Nom.
Lavandin, cns., 25 lbs. lb. No stocks
Lavender flower, French, 50% ester, cns. lb. No prices
38-42% ester, cns. lb. 10.00 -10.25
35-38% ester, cns. lb. No prices
30-32% ester, cns. lb. No prices
garden, cns. lb. .55 - .70
spike, Spanish, tech., cns. lb. 2.70 - 3.00
dms. lb. 2.60 - 2.90
Lemon, Calif., cns. lb. 3.25 - —
Messina, coppers, cns. lb. 5.50 - 6.50
Terpeneless, Type 1 lb. 16.75 -17.00
Type 2 lb. 8.50 -16.00
Lemongrass, native, cns., dms. lb. 1.90 - 2.00
Lime, dist., cns. lb. 6.50 - 7.50
expressed, cns. lb. 12.50 Nom.
Terpeneless lb. 46.50 -78.00
Oil, linaloe, wood, cns. lb. 3.50 - 3.75
Linseed, raw, dms., c.l. lb. .1130- .1150
l.c.l., 10 to 69 lb. .1170- —
5 to 9 lb. .1190- —
less than 5 lb. .1210- —
tanks lb. .1040- .1060
boiled linseed oil .004 cent over raw.
Lovage, extra fine, bots. lb. 35.00 - —
Lubricating, at refinery, ex tax
California, neutrals, pale, 200-600 vis., 2½-4, tanks, gal. .07¼- .11
red, 200-900 vis., 4-6½ plus, tanks. gal. .07¼- .11⅛
Group 3, bright stocks, 100-210 D, 0-25 pour, tanks, gal. .19½- .24½
neutral, 150-400 vis., 3-3½, 0-10 pour, tanks. gal. .12¼- .17¾
200-280 vis., 3, 15-25 pour, tanks. gal. .12 - .14¼
Pennsylvania, bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks, gal. .25 - .29¼
cylinder oils, 600-630 flash, tanks. gal. .15 - .17½
600-650 steam ref'd, tanks. gal. .14 - .16½
neutral, 70° F., 3 color, 150 vis., 0-25 pour, tanks. gal. .31 - .33¼
200 vis., 0-25 pour, tanks, gal. .33 - .40
Mace, dist., cns., dms. lb. 2.15 - 2.65
Oil, mandarin, Brasilian, cns. lb. 8.00 - —
Italian, coppers lb. 9.50 - —
Menhaden, crude, tanks, fut., Balto. gal. .60 Nom.
ref'd alkali, dms. lb. .1220 Nom.
kettle-bodied, dms. lb. .1320 Nom.
light-pressed, dms. lb. .1120 Nom.
tanks lb. .1000 Nom.
Mineral, white (see Oil, white mineral).
Mustard, artif., USP, bots., cns., lb. 1.45 - 1.60
dist., natural, bots. lb. 9.50 -10.00
Neatsfoot, 20° cold test, bbls., lb. No prices
extra, bbls. lb. .13 - —
1, bbls. lb. .12¾- —
prime, bbls. lb. .13 - —
pure, bbls. lb. .17¾- —
Neroli, bots. lb. 200.00 -375.00
Nutmeg, dist., cans, dms. lb. 2.15 - 2.65
Olticica, liquid, dms. lb. .22 - .22½
tanks lb. .21½- .22
Oleo, 1, bbls. lb. .11¾- —
2, bbls. lb. .12¼- —
Olibanum, bots. lb. 5.00 - 5.25
Olive, denat., dms. gal. 3.85 - 4.00
edible, Calif., dms. gal. 4.75 - 5.00
imported, dms. gal. 5.25 - 5.50
foots, dms. lb. .16¾- .17¼
sulphonated, 50% (40% fat), dms., c.l. lb. No prices
l.c.l. lb. No prices
75% (63% fat), dms., c.l. lb. No prices
l.c.l. lb. No prices
80% (68% fat), dms., c.l. lb. No prices
l.c.l. lb. No prices

Octane—Oil, Petitgrain

Oil, orange, sweet, dist., cs. lb. 1.60 - —
expressed, Calif., cns. lb. 3.00 - —
Florida, cns. lb. 2.85 - 2.90
Messina, USP, coppers. lb. 8.00 Nom.
West Indies, cns. lb. 4.75 - 6.00
terpeneless lb. 35.00 -175.00
Origanum, cs. lb. 2.30 - 2.40
Palm, Niger, dms. lb. .08¼ Nom.
Sumatra, tanks lb. .07¾ Nom.
distant, ship't, bulk lb. .05 Nom.
Palmarosa, cns. lb. 3.15 - 3.50
Paraffin, 328° flash, 60-70 vis., tanks, G. S. gal. .05¼- —
350° flash, 70-80 vis., tanks, G. S. gal. .05½- —
80-85 vis., bbls., extra, ind. refy. gal. .12 - —
100-105 vis., bbls., extra, ind. refy. gal. .14 - —
300° flash, 100-110 vis., tanks, G. S. gal. .05¾- —
Patchouli, bots., cns. lb. 5.25 - 6.25
Peanut, crude, nom., tanks. lb. .12½ Nom.
refd., edible, bbls. lb. .15¾ Nom.
Pennyroyal, dom., cns. lb. 2.50 - 2.65
import, cns. lb. 2.40 - 2.75
Peppermint, natural, cns., dms. lb. 3.60 - 3.90
redist., USP, cns., dms. lb. 3.95 - 4.15
Perilla, dms. lb. .22½- .23
tanks lb. .21½- —
Petitgrain, Paraguay, cns. lb. 1.55 - 1.65
dms. lb. 1.50 - 1.60

DEVELOPING OUR *Domestic Source* OF RAW MATERIALS

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The products available will be of considerable interest to the perfumer. Here are just a few:

Cyclamal An Aldehyde of great strength, valuable in most floral compositions. For the finest perfumes as well as in soaps and cosmetics. Particularly valuable in odors of the type of Lily of the Valley and Lilac.

Citronal A fresh clean lemon odor of interest today because of the shortage of Oil of Bergamot and Oil of Lemon. Very stable and free from the objectionable by-odors found in Citral. Produces a lasting lemon odor in soaps and creams. Also of great interest in the manufacture of fine Eau de Colognes.

Floranol A single chemical with a fruity rose note. Mild, very persistent, harmonizes the other ingredients in a perfect composition. Soap fast. Often used in Tea Rose type soap odors. Will not discolor in creams or soaps.

Phenyl Acet Aldehyde Di Methyl Acetal Enjoying great popularity. Fine rose leaf note makes it very interesting in many floral compositions. Very lasting in soaps. Gives a pleasing lift to any odor.

Phenyl Ethyl Alcohol Extra Fine A special high grade for use in fine perfumes and cosmetics.

Ionone Complete and Ionone Methyl The basis of Violet odors.

Indol

Para Cresol Methyl Ether In Oil Ylang Ylang Artificial.

Para Cresol Ethyl Ether In Oil Ylang Ylang Artificial.

Ethyl Phenyl Glycidate A Pineapple Base.

Ethyl Phenyl Methyl Glycidate A Strawberry Base.

Hydratropic Aldehyde A Hyacinth aroma.

Di Methyl Acetal of Hydratropic Aldehyde Softer and more delicate than Hydratropic Aldehyde.

Product GL-4C A non-toxic wetting agent and detergent with excellent foaming qualities for liquid dentifrices, soapless shampoos, brushless shaving creams, etc.

The above products together with our already extensive list of American made aromatics enable the perfumer to create perfumes for soaps and cosmetics and maintain a high standard for his finished product.

Aromatics Division

GENERAL DRUG COMPANY

644 PACIFIC STREET, BROOKLYN, N. Y.

9 SOUTH CLINTON STREET, CHICAGO TRANSPORTATION BUILDING, LOS ANGELES

1019 ELLIOTT STREET W., WINDSOR, ONT.

Oil, Pimento—Potash Bichrom.

Oil, pimento berry, cns.....lb. 4.25 - 5.50
leaf, cns.....lb. 2.25 - 2.75
Pine, dest.dist., straw-color, dms., divd., E. ports..gal. .65 - —
steam-dist., dms.....gal. .65 - .68
Pineneedle, Siberian, cns.....lb. 1.75 - 1.80
Putty, bbls., E. Segundo, Richmond, Cal..gal. .22½- —
contracts .....gal. .19½- —
Whiting, ind.....gal. .28 - —
dms., c.l., Boston, Providence, gal. .25 - —
l.c.l., same basis.....gal. .27 - —
tanks, same basis.....gal. .18 - —
Martinez, Cal.....gal. .28 - —
Rapeseed, tax incl., dms.....lb. .15½- .15¾
tax not incl., tanks.....lb. .10 - —
blown, dms.....lb. .17½ Nom.
Red, dist., or saponif., dms., divd..lb. .12 - .13
tanks, divd.....lb. .11¼- —
West coast prices one cent higher.
Rose, synth., bots.....lb. 4.00 -60.00
natural, coppers.....oz. 16.75 -20.00
Rosemary, Spanish, cns.....lb. .88 - 1.05
dms.....lb. .85 - 1.00
Rosin, 1st rectified, dms...gal. .48 - —
2d rectified, dms.....gal. .50 - —
3d rectified, dms.....gal. .54 - —
Rue, bots.....lb. 7.25 - —
Sage, cns.....lb. 2.10 - 2.20
Sandalwood, domestic, distilled, USP, cns..lb. 4.65 - 5.00
Mysore, cns., case lots....lb. 5.40 - 5.50
Sardine, crude, fut., tanks, Pac. Cst..gal. .60 Nom.
refd., alkali, dms.....lb. .1220 Nom.
kettle-bodied, dms.....lb. .1320 Nom.
light-pressed, dms.....lb. .1120 Nom.
tanks .....lb. .1000 Nom.
Sassafras, artif., cns.....lb. .78 - 1.50
dms. .....lb. No prices
natural, dom., cns., dms...lb. 1.05 - 1.20
Savin, cns.....lb. No stocks
Savory, cns.....lb. No stocks
Seal, tanks.....gal. .72 - —
Shark, tanks.....gal. .71 - —
Shark liver, crude, dms..million vitamin units. .10 - —
Shingle stains, bbls., c.l., works. gal. .19 - —
l.c.l., works.....gal. .20 - —
tanks, works.....gal .14 - —
Snakeroot, Canada, cns.....lb. 8.50 -10.00
Soybean, dom., crude, dms...lb. .12 Nom.
tanks .....lb. .11¼ Nom.
refd., dms.....lb. .13¾ Nom.
tanks .....lb. .12½ Nom.
Spearmint, dms .....lb. 2.55 - 2.80
Sperm, bleach, 38°, dms.....lb. .1270- —
45°, dms.....lb. .1200- —
natural, dms.....lb. .1150- —
Spruce, cns., dms.....lb. .95 - 1.25
Sweet, birch, North, cns.....lb. 2.50 - 3.25
South, cns.....lb. 1.60 - 1.75
Tall crude, dms., c.l., works. ton. 40.00 - —
l.c.l., works.....ton. 45.00 -50.00
tanks, works.....ton. 50.00 - —
distilled, dms., c.l., divd...lb. .06¾- .07
l.c.l., divd.....lb. .06¾- .06¾
tanks, divd.....lb. .05 - .06¾
refined, dms., c.l., works...lb. .04 - —
l.c.l., works.....lb. .04½- —
tanks, works.....lb. .06¾- —
Tallow, acidless, bbls.....lb. .12¾- —
tanks .....lb. .11¾- —
Tansy, cns.....lb. 3.85 - 4.25
Tar, pine, cum'l, dms., c.l., divd. E. cities..gal. .28 - —
E. ports, c.l.....gal. .27½- —
l.c.l. .....gal. .31 - —
tanks, divd. E. cities..gal. .21 - —
rectfd., USP, bbls., l.c.l., divd. E. ports..gal. .55 - —
Tar acid (see T).
Teaseed, crude, dms.....lb. .27 Nom.
refined, dms.....lb. .29 Nom.
Tea tree (see Oil, Ti tree).
Thyme, NF, red, cns.....lb. 1.85 - 2.20
white, cns.....lb. 1.95 - 2.35
Tung (see Oil, Chinawood).
Ti tree, cns.....lb. 2.50 - 2.65
Turkey red (see castor, sulphonated).
Turpentine (see T).
Turtle, cns.....gal. 8.50 - —
Vetiver, Java, bots.....lb. 8.75 -11.00
Whale, ref., natural, dms...lb. .1070 Nom.
winter, bleach, dms.....lb. .1110 Nom.
Wheat germ, cns., dms.....gal. 17.50 -25.00
White, mineral, dom., tech., 50-60 vis., dms..gal. .34 - .43
65-75 vis., dms.....gal. .35 - .44
80-90 vis., dms.....gal. .36 - .45
USP, 80-90 vis., dms...gal. .38 - .47
95-105 vis., dms.....gal. .43½- .52½
125-135 vis., dms.....gal. .49 - .58
140-150 vis., dms.....gal. .51 - .60
175-185 vis., dms.....gal. .54½- .63½
200-210 vis., dms.....gal. .57½- .66½
320-330 vis., dms.....gal. .65 - .74
335-345 vis., dms.....gal. .66 - .75
Russian, 80-90 vis., dms...gal. No prices
145-155 vis., dms.....gal. No prices
175-185 vis., dms.....gal. No prices
335-345 vis., dms.....gal. No prices
Wintergreen, natural, North, cns..lb. 4.75 - 6.00
South, cns.....lb. 3.50 - 3.85
synth (see Methyl salicylate).
Wood (see Oil, chinawood)
Wormseed, cns.....lb. 2.20 - 2.70
Wormwood, cns.....lb. 4.50 - 5.00
Ylang-ylang, Bourb., bots., cns. lb. No stocks
Manila, bots.....lb. 35.00 -40.00
Olivine, aggregate c.l. mines, ton. 7.00 -11.00
Lumps, same basis.....ton. 7.00 - —
Spalls, same basis.....ton. 5.00 - —
crushed, 8 mesh, bulk, c.l., works..ton. 8.00 - —
paper bags, c.l., wks..ton. 9.50 - —
ground, 325 mesh, c.l., mines.. ton. 20.00 - —
200 mesh, c.l., mines....ton. 17.00 - —
100 mesh, c.l., mines....ton. 15.00 - —
20 mesh to dust.....ton. 12.00 - —
Opium, gum, USP, 50-lb. lots, cns..lb. 11.50 - —
25-lb. lots, cns.....lb. 11.75 - —
5-lb. lots, cns.....lb. 12.00 - —
1-lb. lots, cns.....lb. 12.15 - —
Prices on powd. and gran. USP opium are $1 per pound higher.
Orange, Lake, Persian, bbls...lb. .30 - .45
Mineral, Amer., bbls., 5 tons, divd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash..lb. .11¼- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore., Wash..lb. .11½- —
Colo., Mont., N. M., Wyo..lb. .11¾- —
5 bbls., divd., other points. lb. .12¼- —
Orange, mineral, Amer., bbls., smaller lots, divd., Ala., etc..lb. .12 - —
Ariz., etc.....lb. .12¼- —
Colo., Mont., N. M., Wyo..lb. .12¾- —
Other points.....lb. .11¾- —
French, Tours, casks, ex dock, lb. No prices
kgs., ex dock..... No prices
Orange, molybdate, bbls.....lb. .31 - —
Toner, bbls.....lb. .80 - —
Orangeflower petals, cs.....lb. .45 - .50
Orange peel, bitter, bls.....lb. .09 - .10
sweet, bls.....lb. .10 - .12
Haitain, bgs.....lb. .07½- .08
Orris root, Florentine, bgs....lb. 2.25 Nom.
fingers, cs.....lb. No stocks
powd., bbls., bxs.....lb. 2.50 Nom.
Verona, bls.....lb. 2.00 Nom.
powd., bgs., cns.....lb. 2.25 Nom.
Orthoamylphenol, l.c.l., dms., works..lb. .15 - —
Orthoanisidin, bbls.....lb. .70 - —
Orthochloraniline, dms.....lb. .60 - .70
Orthochlorophenol, dms.....lb. .32 - —
Orthocresol, dms., c.l., works..lb. .17 - —
l.c.l., same basis.....lb. .17½- —
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies..lb. .06 - .07
l.c.l., same basis.....lb. .07 - .08
100-lb. tins, same basis.lb. .08 - .09
50-lb. tins, same basis..lb. .09 - .10
tanks, same basis.....lb. .05½- .06½
Orthodichlorobenzene prices west of Rockies, 1c. per lb. higher.
Orthonitroaniline, dms.....lb. .55 - —
Orthonitrochlorobenzene, dms..lb. .15 - .18
Orthonitroparachlorophenol, cns.lb. .75 - —
Orthonitrotoluene, dms.....lb. .09 - —
Orthophenetidin, dms.....lb. .80 - —
Orthotoluidin, dms.....lb. .19 - —
Osage orange, crystals, bgs....lb. .28 - —
extract, bbls., No. 1.....lb. .11 - —
No. 2..lb. .10 - —
Oxyquinoline sulphate, cns., 100-lbs., works..lb. 3.50 - —
bots., cns., 1-50 lbs.....lb. 3.75 - 4.15

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Papain, powd., cs.....lb. 3.50 - 3.75
Paprika, Algerian, bgs.....lb. .32½- .35
Bulgarian, bgs.....lb. .26 - .29
Portuguese, fancy, bgs.....lb. .35½- .36
good, bgs.....lb. .33½- .34
Spanish, extra fancy, cs....lb. .42 - .42½
fancy, cs.....lb. .37 - .38
Parachlorophenol, dms.....lb. .32 - —
Paracymene, refd., dms.....gal. .75 - 1.25
Paradichlorobenzene, dms., c.l.lb. .11 - .12
l.c.l. .....lb. .12½- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla. refy..lb. .05½ Nom.
bbls., c.l., N.Y.....lb. .05½ Nom.
124-126 A.m.p., bgs., c.l., Okla., refy..lb. .05½ Nom.
bbls., c.l., N.Y.....lb. .05½ Nom.
yellow, 124-126 A.m.p., bbls., c.l., N.Y..lb. .05½ Nom.
fully refd., 128-125 A.m.p., bgs., c.l..lb. .0570 Nom.
128-130 A.m.p., bgs. or loose, c.l..lb. .0570 Nom.
131-133 A.m.p., bgs. or loose, c.l..lb. .0595 Nom.
133-135 A.m.p., bgs. or loose, c.l..lb. .0625 Nom.
135-137 A.m.p., bgs. or loose, c.l..lb. .0650 Nom.
138-140 A.m.p., bgs. or loose, c.l..lb. .0725 Nom.
143-145 A.m.p., bgs. or loose, c.l..lb. .0820 Nom.
151-153 A.m.p., bgs., or loose, c.l..lb. .15 Nom.
Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 5c. lower. Prices are for contract delivery.
Paramatch, A.m.p., up to and incl. 110-112 bbls., c.l..lb. .03½- —
Semi-refd., solid, 122-124 A.m.p., bgs..lb. .06 Nom.
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C..lb. .23 - —
100 to 900 lbs., shipments, same basis..lb. .24 - —
Paraldehyde, tech., 98%, 55 and 110-gal. dms., l.c.l., works..lb. .12 - —
5 and 10-gal. dms., works..lb. .15 - —
USP, cs., cbys.....lb. .37 - .45
Paranitrophenol, kgs.....lb. .35 - —
Paranisidine, dms.....lb. .75 - —
Paranitroanilin, kgs., works...lb. .45 - —
Paranitrochlorobenzene, kgs...lb. .15 - —
Paranitrotoluene, kgs.....lb. .30 - —
Paraphenylenediamine, bbls...lb. 1.25 - 1.30
Paratoluenesulphonamide, bbls.lb. .70 - —
Paratoluidin, bbls.....lb. .48 - —
Pareira brava root, bls.....lb. .20 - .21
Paris green, dealer, dms., kegs, c.l., f.o.b. wks., frt. alld..lb. .24 - .26
l.c.l., same basis.....lb. .25 - .27
Passion flower, herb, bls.....lb. .06 - .07
Patchouli leaves, bls.....lb. .28 - .30
Pellitory root, bls.....lb. .30 - .32
Pennyroyal leaves, bls.....lb. .15 - .16
Pentachlorophenol, dms., works. lb. .20 - .25
Pentaerythritol, C.P., bbls., divd. lb. .75 - —
less than barrel lot.....lb. 1.00 - —
tech., bbls., divd.....lb. .32½- .35½
less than barrel lots.....lb. .40 - —
Pentaerythritol tetra acetate, bbls., divd..lb. 1.00 - —
less than barrel lot.....lb. 1.50 - —
Pentanes, 28°-38° C., industrial grade, dms., c.l., G.S. gal. .11 - —
l.c.l., G.S.....gal. .19 - —
tanks, G.S.....gal. .08½- —
Pentanes, laboratory grade, dms., c.l., G.S..gal. .16 - —
l.c.l., G.S.....gal. .27 - —
10 gals., G.S.....gal. .55 - —
Pepper, black, Alleppy, bags..lb. .08¾- .09¼
Lampong, bgs.....lb. .0630- .0650
Tellicherry, bags.....lb. .08½- .09
white, Java, Muntok, bags..lb. .11 - .11½
Muntok, small berry, bags.lb. .10¼- .10¾
red, chillies, Japan, Montaka.lb. .27 - .27½
Mombassa, bgs.....lb. .23½- .24
Sierre Leone, bgs.....lb. .24 - .24½
Peppermint leaves, dom., bls..lb. .70 - .75
import, bls.....lb. 1.25 Nom.
Perchlorethylene, dms., c.l., works, frt. alld., some l..lb. .08 - —
l.c.l., same basis.....lb. .08¼- —
Zone 2, dms., c.l., works, frt. alld..bl. .08½- —
l.c.l., same basis.....lb. .09 - —
Zone 3, dms., c.l., works, frt. alld..lb. .09 - —
l.c.l., same basis.....lb. .09½- —
Perchlorethylene, Zone 4, dms., c.l., f.o.b. stock points, lb. .09 - —
l.c.l., same basis.....lb. .09½- —
All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.
Peru, balsam, dms.....lb. 1.35 - 1.40
Petrolatum, amber, dms.....lb. .03½- —
l.c.l. .....lb. .04½- —
amber, extra, dms.....lb. .03¾- —
l.c.l. .....lb. .04¾- —
white, cream, dms., c.l.....lb. .05 - —
l.c.l. .....lb. .06½- —
lily, dms., c.l.....lb. .05¾- —
l.c.l. .....lb. .07½- —
snow, dms., c.l.....lb. .06½- —
l.c.l. .....lb. .08 - —
Petroleum, crude, bulk, at wells:—
California .....bbl. .43 - 1.71
Canada .....bbl. 1.06 - 1.70
Central West:—
Illinois .....bbl. 1.37 - —
Ohio .....bbl. 1.05 - 1.10
Michigan .....bbl. 1.17 - 1.44
Indiana .....bbl. 1.22 - —
East Texas.....bbl. 1.25 - —
Gulf Coast.....bbl. 1.06 - 1.48
Kentucky, Tennessee.....bbl. 1.29 - 1.43
Louisiana, Arkansas.....bbl. .94 - 1.36
Mexico .....bbl. No prices
Midcontinent (Oklahoma, Kansas, North Texas).....bbl. .75 - 1.25
Pennsylvania, Ohio, West Virginia:—
Bradford, Allegany....bbl. 2.75 - —
Corning .....bbl. 1.31 - —
N. Y. Transit lines....bbl. 2.75 - —
Eureka lines.....bbl. 2.34 - —
S. W. Penn lines.....bbl. 2.40 - —
Lower district in National Transit lines..bbl. 2.63 - 2.68
Rocky Mountains.....bbl. .96 - 1.30
South Central and Southwestern Texas..bbl. 1.03 - 1.50
Texas Panhandle, W. Texas and N. Mexico.....bbl. .70 - 1.27
Ether, laboratory grade, 30-60°C, c.l..gal. .16 - —
l.c.l. .....gal. .27 - —
10 gals.....gal. .55 - —
35-60°C., l.c.l.....gal. .27 - —
10 gals.....gal. .55 - —
40-75°C., c.l.....gal. .16 - —
l.c.l. .....gal. .27 - —
10 gals.....gal. .55 - —
Petroleum ether prices are spot quotations, f.o.b. Group 3, for material packed in drums.
Lacquer, diluent, at refinery:—
California, 100 l.b.s., 200 e.p., tanks, divd., Los Angeles..gal. .11 - —
San Francisco..gal. .11¼- —
Willbridge, Ore., Fort Wolles, Wash..gal. .12 - —
East Coast, N. Y., tanks, gal. .11 - —
N. J., tanks.....gal. .11 - —
Group 3, toluol type, tanks, gal. .07¾- .08¼
Benzol type, tanks..gal. .07½- .08¾
mineral spirits at refinery, California (f.o.b. San Francisco), 166-232 b.r., tanks, gal. .10½- —
198-290 b.r., tanks...gal. .10½- —
246-397 b.r., tanks...gal. .10¼- —
312-408 b.r., tanks...gal. .09 - —
362-458 b.r., tanks...gal. .09 - —
East Coast, N. Y., tanks, gal. .09½- —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¼- —
Gulf Coast, tanks.....gal. .06½- —
tankwagon:—
Albany .....gal. .12¼- —
Baltimore (100 gals.)..gal. .14 - —
25-99 gals.....gal. .16 - —
Boston .....gal. .11¼- —
Bound Brook, North Amboy, N. J..gal. .12¼- —
Bridgeport, Conn.....gal. .11¼- —
Buffalo .....gal. .15¼- —
Camden, N. J.....gal. .10 - .11¼
Chicago .....gal. .1670- —
Decatur .....gal. .1510- —
Des Moines.....gal. .1790- —
Evansville, Ind.....gal. .1420- .1530
Milwaukee .....gal. .1280- —
Minneapolis-St. Paul..gal. .12½- —
Newark .....gal .09¼- —
New York (200 gal.)..gal. .10½- —
Omaha .....gal. .12½- —
Pittsburgh .....gal. .11½- .13½
Providence .....gal. .12 - —
Rochester .....gal. .12½- —
St. Louis.....gal. .1470- —
Syracuse .....gal. .10½- —
Trenton .....gal. .10½- —
Wilmington, Del.....gal. .12½- —
Naphtha, cleaners, at refinery:—
California (f.o.b. San Francisco), tanks..gal. .12 - —
East Coast, N. Y., tanks, gal. .10½- —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07½- —
Gulf Coast (f.o.b. New Orleans), tanks..gal. .06¾- —
tankwagon, Boston, ex tax, gal. .12½- —
Bridgeport .....gal. .13½- —
Chicago, inc. 4c. tax...gal. .18 - —
Decatur, inc. 4c. tax...gal. .1910- —
Des Moines, inc. 4c. tax, gal. .1890- —
Evansville, inc. ex tax.gal. .15 - .16
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20½- —
Newark, ex tax.....gal. .10½- —
New York, ex tax....gal. .11½- —
Omaha, ex tax.....gal. .1490- .1590
Oklahoma City, ex tax.gal. .16½- —
Philadelphia, ex tax...gal. .12 - —
St. Louis, inc. 1c. tax.gal. .15½- —
Syracuse, 150 gals.....gal. .14½- —
smaller lots, galv. drums, gal. .10 - —
high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .21½- —
No. 2, over 90% arom., same basis..gal. .21½- —
3, same basis.....gal. .22¼- —
8, tanks, f.o.b. Paulsboro, N. J..gal. .19¾- —
30, same basis.....gal. .20¾- —
40, same basis.....gal. .21 - —
Petroleum, naphtha, V.M.&P., at refinery:—
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 l.b.p., 310 e.p., tanks, divd. Los Angeles..gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle..gal. .11 - —
East Coast, N. Y., tanks, gal. .10½- —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07¼- —
Gulf Coast (divd. New Orleans), tanks..gal. .06½- —
tankwagon, Boston, ex tax, gal. .12½- —
Chicago, inc. 4c. tax..gal. .17 - —
Des Moines, inc. 4c. tax, gal. .1890- —
Decatur, inc. 4c. tax..gal. .1910- —
Evansville, Inc., ex tax, gal. .1520- .1630
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11¼- —
New York, ex tax....gal. .10½- —
Omaha, ex tax.....gal. .1490- .1590
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1570- —
Solvent, rubber, at refinery, California (f.o.b. San Francisco), gal. .24 - —
East Coast, N. Y., tanks, gal. .10½- —
N. J., tanks.....gal. .10½- —
Group 3, tanks.....gal. .07¼- —
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, N. Y., tanks, gal. .09½- —
N. J., tanks.....gal. .09½- —
Group 3, tanks.....gal. .06¾- —
Tankwagon, Boston, ex tax, gal. .11½- —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax, gal. .1840- —
Evansville, Ind., ex tax, gal. .14 - .15
Milwaukee, inc. 5c. tax.gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax.....gal. .09½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax....gal. .10½- —
Omaha .....gal. .1360- .1460
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax.....gal. .10½- .11½
Phenobarbital, 5-lb. bots.....lb. 4.35 - —
bots. or cns., 100 lbs., spot or contract..lb. 4.00 - —
25-lb. cns.....lb. 4.25 - —
Phenol, USP, dms., c.l., works, 1c. per l. equald..lb. .12½- —
l.c.l., same basis.....lb. .13¼- —
under 1,000 lbs.....lb. .14¼- —
tanks, works.....lb. .11½- —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs, 100-250 lbs., lb. .87 - .89
Phenolphthalein, yellow, fib. dms., 2,000-lb. lots..lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 4.00 - 4.10
dimethylacetate, cns.....lb. 14.50 -15.00
Phenyl ethyl acetate, cns.....lb. 2.50 - 2.75
Phenylethylphenyl acetate, bots. lb. 8.00 -15.00
Phenylhydrazine, base, CP, bots. lb. 4.55 - —
hydrochloride, CP, bots., works. lb. 7.10 - —
commercial, kgs., works.....lb. 1.75 - —
Phloroglucinol, CP, tins, wks..lb. 20.00 -22.00
tech., tins, works.....lb. 15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 70% min..long ton. No prices
land-pebble, 68% min. long ton. 2.00 - —
70% min.....long ton. 2.30 - 2.40
72% min.....long ton. 2.75 - 3.00
Tenn., 72% min.....long ton. 4.50 - —
75% min.....long ton. 5.50 - —
Phosphate rock prices are for shipment in bulk, f.o.b. mines.
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .25
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, ton..lb. .35 - —
single, bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. all. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Pichi leaves, bgs.....lb. .08 - .09
Pilocarpine hydrochloride, bots., vis..oz. 3.25 - 3.75
Nitrate, bots.. vis.....oz. 3.25 - 3.75
Pimento, Jamaica, bgs.....lb. .20½- .21
Mexican (see Allspice, Mexican).
Pinkroot, bls.....lb. .41 - —
Pitch, burgundy (see Rosin).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
Pitch, hardwood, 1-time dms., c.l., dvd. Akron..ton. 23.75 -24.00
Linseed, dms.....lb. .05 - .05½
Petroleum (see Asphaltum, Mexican, Texas).
Pitch, pine, bbls.....bbl. 6.75 - 7.00
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls...lb. .12 - .13
Podophyllin, dms., dlvd. E. of Miss..lb. 5.25 - —
Poke root, bls.....lb. .09 - .10
Polyamyl naphthalene, l.c.l., dms., works..lb. .25 - —
Pomegranate bark, bgs.....lb. .49 - .50
Root bark, bgs.....lb. .60 - .65
Poppy flowers, red, bls.....lb. .70 - .75
Seed, Dutch, bgs.....lb. .46 - .48
Indian, white, bgs.....lb. .09¼- .09¾
Turkish, bgs.....lb. .34 - .35
Potash abietate.....lb. .98 - —
Acetate, USP, bbls., 250 lbs..lb. .26 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite, USP, solut., 100-lb. lots, cbys., demijs..lb. .13 - .15
Bicarbonate, USP, cryst., bbls., 300 lbs..lb. .15 - —
gran., bbls., 250 lbs.....lb. .15 - —
Bichromate, spots, c.l., works, lb. .09¾- —
6 casks or 10 bbls., or over, works..lb. .09¾- —
5 casks or 9 bbls., or less, works..lb. .10 - —

Potash, bromide, USP, gran., bbls., 500 lbs..lb. .27 - .31
kgs., 100 lbs.....lb. .28 - .32
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .02 - —
l.c.l., dms., same basis..lb. .03½- —
tanks, same basis.....lb. .02¾- —
USP, gran., bbls., 325 lbs..lb. .14 - .16
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06½- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .11 Nom.
pwd., kgs.....lb. .09¾- .10
Chloride, tech., 98%, cryst., bgs., kgs..lb. .08 Nom.
Chromate, kgs.....lb. .24 - .27
Citrate, USP, gran., 250-lb. bbls., lbs..lb. .33½- —
100-lb. dms.....lb. .34½- —
50-lb. dms.....lb. .35½- —
25-lb. dms.....lb. .37½- —
powd., 3c. per lb. higher.
Cyanide, dom., dms., works..lb. .55 - —
Cyanide, gold, 41% gold, bots., works..oz. 14.20 -14.95
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.50 - —
100-lb. lots.....lb. 1.60 - —
50-lb. lots, cbys. or cns..lb. 1.65 - —
25-lb. lots, cns.....lb. 1.75 - —
Guaiacolsulphonate, fib. dms., 100-lb. lots..lb. 1.75 - —
25 lbs. to 50 lbs.....lb. 1.80 - 1.85
Potash, hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.46 - —
cns., 25 lbs.....lb. 3.35 - —
Iodide, bots. or cns.....lb. 1.44 - 1.48
dms. .....lb. 1.35 - 1.38
Kainit, 20% K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Manure salt, dom., run-of-mine grade, bulk, ex vessel, ports. unit-ton. .60 - —
f.o.b. Carlsbad, N.M.unit-ton. .20 - .21
import, 30% K_2O, bulk, ex vessel, Atlantic or Gulf ports..ton. No prices
Metabisulphite, kgs.....lb. .21 Nom.
Muriate, dom., min. 50% K_2O, bulk, ex vessel, ports.. unit-ton. .56 - .58
min. 60% K_2O, same basis.. unit-ton. .53½- —
import, min. 50% or 60% K_2O, bulk, ex vessel, Atlantic or Gulf ports..unit-ton. No prices
Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price named above.
Oxalate, pure, cryst., kgs....lb. .40 - .42
tech., bbls., dms.....lb. .28 - .30
Nitrate, crude, bgs., c.i.f. ports. ton. No prices
Perchlorate, kgs., wks.....lb. .09½- .11
Permanganate, tech., dms., wks. lb. .19¾- .20¼
USP, dms., wks.....lb. .20½- .21
Potash, prussiate, red, bbls...lb. No prices
Yellow, spot, bbls.....lb. .17 - .19
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs. lb. .07 - —
Sulphate, NF, powd., 550 lbs., bbls..lb. .15 Nom.
100-lb. kgs.....lb. .17 - —
Prices on granular 4c. higher.
tech., dom., bulk basis, 90% K_2SO_4, ex vessel, ports..ton. 36.25 - —
imp., min., 90%, bgs., ex vessel, Atl. or Gulf ports..ton. No prices
Xanthate, dms., c.l.....lb. .12 - —
Potash-magnesia, sulphate, dom., bulk, 40% K_2SO_4, ex vessel, ports..ton. 26.00 - —
Potash-soda ferricyanide, dms., works..lb. .40 - .42
Potash titanium oxalate, 350-lb. bbls..lb. .45 - —
100-lb. dms.....lb. .50 - —
Prickly ash bark, bls.....lb. .12 - .13
Berries, bgs.....lb. .25 - .26
Prince's pine herb, bls.....lb. .22 - .23
Procaine, hydrochloride, 25-lb. cns., lb. 8.00 - —
5-lb. cans.....lb. 8.25 - 8.50
1-lb. bots.....lb. 8.75 - —
Propane, tanks, Group 3.....gal. .03¾- .04
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .85 - .90
Pumice, dom., grd., fine, 4F, 2F, F, O, bgs., 5 tons and up..lb. .03¼- —
1-4 tons.....lb. .03¾- —
500-2000 lbs.....lb. .03¾- —
under 500 lbs.....lb. .04 - —
coarse, O½, ½, 1, 1½, 2, 3, bgs., 5 tons and up..lb. .03½- —
1-4 tons.....lb. .03¾- —
500-2000 lbs.....lb. .03¾- —
under 500 lbs.....lb. .04¼- —
Imp., Italian.....No prices
Pumice stone packed in barrels is ½c. per lb. higher than the above prices.
Pumpkin seed, bgs.....lb. .10 - .11
Purple lake (see Red).
Putty, com'l, dms.....100 lbs. 3.15 - —
linseed oil, raw, dms....100 lbs. 5.00 - —
refined, dms.....100 lbs. 5.50 - —
standard, dms.....100 lbs. 4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., dlvd..gal. 4.25 - 4.45
(30 to 1), 3 grams pyrethrins per 100 cc., dms., dlvd..gal. 6.45 - —
Pyrethrum flowers, coarse.. grnd. (g.f.p), 9% pyrethrins, frt. alld., bbls..lb. .20 - .21
fine powd., 9% pyrethrins, frt. alld., bbls..lb. .21 - .22
Pyridin, denaturing, dms.....gal. 1.71 - —
refd., 2°, dms.....lb. .48 - —
Pyrites, Spanish, bulk, c.i.f. Atl. ports..unit-ton. No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins..lb. 2.15 - 2.40
resublimed, fib. dms., tins..lb. 4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines..ton. 10.00 - —
325 mesh, same basis.....ton. 13.00 - —
No. 3, 200 mesh, c.l., mines..ton. 8.00 - —
325 mesh, same basis.....ton. 11.00 - —

Pyroxylin scrap amber, cs., works..lb. .12 - —
black, cs., works.....lb. .10 - —
china white, ivory, cs., works, lb. .13 - —
dense, white, cs., works....lb. .10 - —
gray, cs., works.....lb. .08 - —
mixed, mottles, opaques, cs., works..lb. .04 - —
translucent pastels, cs., works, lb. .10 - —
transparent, cs., works.....lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works, lb. .16 - —
colors, mixed, cs., works...lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia chips, bls.....lb. .05 - .06
Quebracho extract, liquid, 35% tan, bbls., works..lb. .05½- —
tanks, works.....lb. .05 - —
solid, 65%, bgs., c.l., ex dock, plus duty..lb. .04¾- —
clarified, 64%, bgs., c.l., same basis..lb. .05 - —
pwd., bgs., c.l.....lb. .10 - —
l.c.l., bgs.....lb. .10¼- —
Queen of the meadow leaves bgs..lb. .07½- .08
Root, bgs.....lb. .10 - .11
Quercitron, crystals, bgs.....lb. .26 - —
extract, bgs., No. 1.....lb. .10 - —
No. 2.....lb. .09½- —
No. 3.....lb. .09 - —
solid, bxs.....lb. .18½- —
Quicksilver, dom., flasks (76 lbs. net), dlvd., N. Y..flask. 192.00 -195.00
Quince seed, bgs.....lb. 1.25 - 1.30
Quinidine, N.F.V., cryst., cns.oz. 1.06 - —
powd., precip., cns.....oz. 1.01 - —
Sulphate, cns.....oz. .71 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.
Quinine, 100 ozs., cns.....oz. .84 - —
Acetate, cans.....oz. 1.05 - —
Arsenate, cns.....oz. 1.05 - —
Arsenite, cns.....oz. 1.07 - —
Bisulphate, cns.....oz. .60 - —
Citrate, cns.....oz. .78 - —
Dihydrobromine, bots.....oz. .82 - —
Dihydrochloride, bots.....oz. .83 - —
Ethylcarbonate, cns.....oz. .85 - —
Ferrocyanide, cns.....oz. 1.07 - —
Formate, cns.....oz. 1.00 - —
Hydrochlorosulphate, cns....oz. .81 - —
Glycerophosphate, cns.....oz. 1.20 - —
Hydrochloride, cns.....oz. .76 - —
Hydroiodide, cns.....oz. 1.05 - —
Hypophosphite, cns.....oz. 1.07 - —
Phosphate, cns.....oz. .90 - —
Salicylate, cns.....oz. .79 - —
Sulphate, USP, XI, cns.....oz. .67 - —
Sulphocarbolate, cns.....oz. 1.00 - -
Tannate, cns.....oz. .63 - —
Valerate, cns.....oz. .99 - —
Tartrate, cns.....oz. 1.03 -
Quinine buyers must pay a surcharge of 8½c. per oz. to cover present war risk insurance.

Potash Bromide—Red, Alizarin

ocean freight rates, and additional expense over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.
Quinine-urea hydrochloride, cns.oz. .81 - —
Subject to surcharge of 8½c. per oz; see note under Quinine.

R

R salt, dry, bbls.....lb. .55 - —
paste, dms.....lb. .52 - —
Rapeseed, Argentine, bgs.....lb. .07¾- .08¼
Dutch, bgs.....lb. No stocks
Indian, medium, recleaned, bgs., lb. .07½- .08
Japanese bgs.....lb. No stocks
Raspberries, dried, bls.....lb. .55 - .60
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - 1.90
Red, alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N.C., S.C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

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SUN OILS
PETROLEUM PRODUCTS FOR ALL INDUSTRIES

Red, Cadmium—Silica

Red, cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld.....lb. .90 - —
smaller lots.....lb. .95 - —
kgs., ton lots.....lb. .95 - —
smaller lots.....lb. 1.00 - —
light shade, bbls., ton lots, lb. .75 - —
smaller lots.....lb. .80 - —
kgs., ton lots.....lb. .80 - —
smaller lots.....lb. .85 - —
light-medium shade, bbls., ton lots..lb. .80 - —
smaller lots.....lb. .85 - —
kgs, ton lots.....lb. .85 - —
smaller lots.....lb. .90 - —
maroon shades, bbls., ton lots, lb. 1.00 - —
smaller lots.....lb. 1.05 - —
kgs., ton lots.....lb. 1.05 - —
smaller lots.....lb. 1.10 - —
medium shade, bbls., ton lots..lb. .85 - —
smaller lots.....lb. .90 - —
kgs., ton lots.....lb. .90 - —
smaller lots.....lb. .95 - —

Cadmium, lithopone quotations are prices at the works, with frt. alld.

Selenide, bbls., light, works..lb. 2.35 - —
maroon, works.....lb 2.90 - —
Carmine, 40, dms., 100 lbs...lb. 4.60 - —
50 lbs.....lb. 4.75 - —
cns., 5 lbs.....lb. 5.25 - —
1 lb.....lb. 5.35 - —
Crocus martis (see Red, purple oxide).
Red, eosin toner, bbls.....lb. 1.25 - —
Fire toner, bbls.....lb. .85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .09¾- —
80-85%, bbls., same basis...lb. .07¾- —
Iron oxide (see Red oxide).
Lacquer maroon, bbls., same basis..lb. 1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts..lb. .90 - —
open order.....lb. .90 - —
Litho toner, bbls., same basis, alizarin, lake, contracts..lb. .55 - —
open order.....lb. .60 - —
Rose lake, bbls.....lb. .20 - .25
Pink, bbls.....lb. .15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts..lb. 1.10 - —
Maroon lake, 25%, kgs., same basis, alizarin lake, contracts..lb. .40 - —
Mercury oxide, tech., bbls., 10,000 lbs..lb. 3.09 - —
smaller lots.....lb. 3.11 - —
Metallic, bbls., Pa., works...lb. .02 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works, lb. .09 - —
Oxide, reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St., Louis, Copley, Ohio.....lb. 08¾- —
80% copperas oxide, bbls., same basis..lb. 08¼
Red, para, toner, concent., kgs., same basis, alizarin lake, contracts..lb. .70 - —
open order.....lb. .10 - —
Persian, Gulf, oxide, bbls., l.c.l..lb. No prices
Phloxin toner (see Red, Eosin-toner)
Phosphotungstic rhodamine, Y, kgs..lb. 4.15 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .08¼- —
Toner, kgs.....lb. 1.50 - 2.00
Scarlet ink toner, kgs., same basis alizarin lake..lb. .55 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, Grade 1, c.l., bbls., f.o.b. N.Y..lb. .04¾- —
l.c.l. .....lb. .04¾- —
Grade 2, c.l., bbls., f.o.b. N.Y..lb. .04¼- —
l.c.l. .....lb. .04¾- —
Toluidin toner, kgs., same basis alizarin lake..lb. 1.05 - —
Tuscan, bbls., f.o.b. N.Y., E. St. Louis..lb. .11 - .40
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0265- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. Nom.
quicksilver, bbls.....lb. 3.20 - 3.27

Red dyes are listed under Dyes.

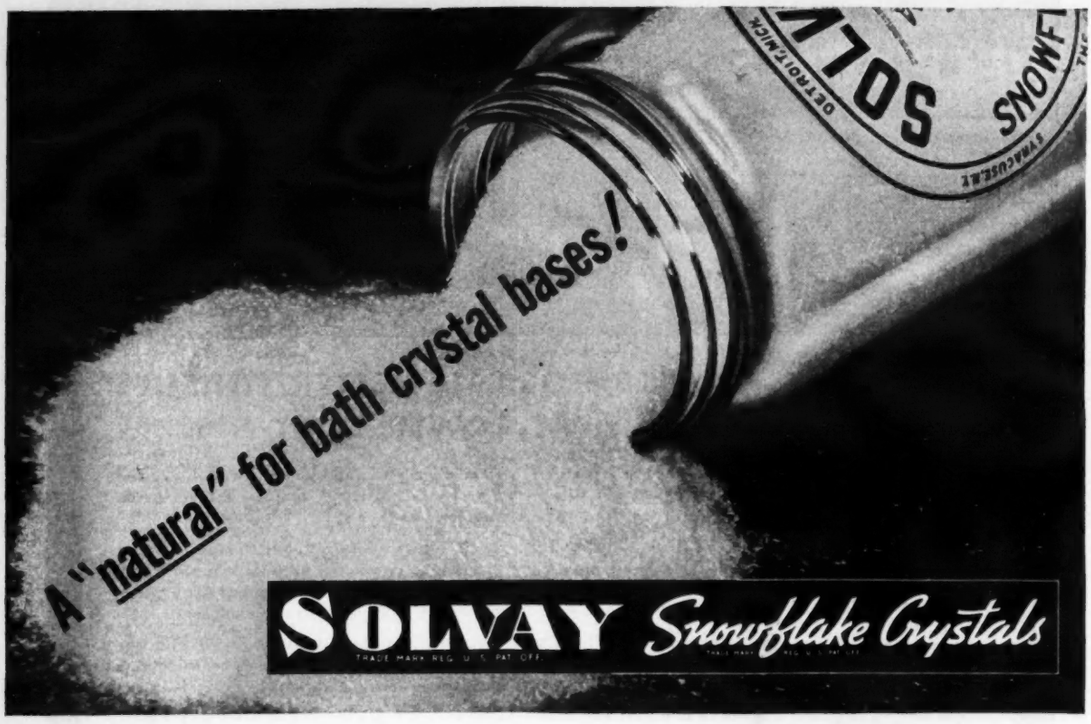
Red, precipitate, N. F., powd., lib. dms., 50 lbs. or more, lb. 3.26 - —
Red saunders wood, ground, bbls. lb. .35 - —
Resorcinol, tech., 200-lb. dms., frt. alld. E. of Miss..lb. .68 - —
smaller quantities, works..lb. .74 - —
USP, cryst., 100 lbs., dms., frt. alld. E. of Miss..lb. 1.80 - —
Rhatany root, bgs.....lb. .10 - .11
Rhubarb, cs.....lb. .38 - .40
powd., bbls., kgs.....lb. .43 - .45
Riboflavin .....gram. 1.50 - 2.00
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't..lb. .43½- —
smaller lots.....lb. .44 - —
powd., bbls., 5,000 lbs., 1 ship't..lb. .42½- —
smaller lots.....lb. .43 - —
Rose flowers, pale, bls.....lb. .42 - .45
red, bls.....lb. 5.00 Nom.
Rosemary, flowers, bls.....lb. .45 - .50
leaves, bls.....lb. .16 - .17
Rosin, gum, B, bbls., ex dock... 100 lbs. 3.03 - —
D, bbls.....100 lbs. 3.01 - —
E, bbls.....100 lbs. 3.01 - —
F, bbls.....100 lbs. 3.01 - —
G, bbls.....100 lbs. 3.01 - —
H, bbls.....100 lbs. 3.00 - —
I, bbls.....100 lbs. 2.99 - —
K, bbls.....100 lbs. 3.01 - —
M, bbls.....100 lbs. 3.10 - —
N, bbls.....100 lbs. 3.13 - —
W. G., bbls.....100 lbs. 3.32 - —
W. W., bbls.....100 lbs. 3.52 - —
X, bbls.....100 lbs. 3.52 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines.....ton.37.50 - —
Import, lump, bbls.....lb. No prices
powd., bbls.....lb. No prices
Rue, bls.....lb. .30 - .35

S

Sabadilla seed, powd., bbls....lb. .22 - .23
Saccharin, dms., 100 lbs.....lb. 1.45 - —
cns., 25 lbs.....lb. 1.48 - 1.50
Safflower, bls.....lb. .35 - .40
Saffron, Mexican, bls.....lb. .40 - .45
Spanish, tins.....lb.38.00 -39.00
Safrol, cns.....lb. 1.25 - 1.50
dms.....lb. No prices
Sage, Dalmatian, garden, bls..lb. 1.40 - 1.60
[illegible] bgs.....lb. No stocks
ground, bls.....lb. 1.75 Nom.
Greek, bls.....lb. 1.00 - 1.10
Spanish, bls.....lb. .45 - .47
Sago flour, bgs.....lb. .05 - .05½
Salicin, bots., 5 lbs.....lb. 7.00 - —
cns., 25 lbs.....lb. 6.75 - —
Salol, gran., bbls., 200 lbs....lb 90 - —
bxs., 25 lbs.....lb 93 - —
kgs., 100 lbs.....lb .90 - —
powd., lib. dms., 25 lbs.....lb 1 03 - —
kgs., 100 lbs.....lb 1.00 - —
Salt, rock, bgs., dlvd. N. Y...ton.14.20 - —
l.c.l., bgs., dlvd. N. Y...ton.16.00 -16.60
vacuum, common, fine, bgs., c.l., dlvd. N. Y..ton.15.70 - —
l.c.l., dlvd. N. Y.....ton.18.20 -21.30
Saltcake, dom., bulk, works.ton.13.00 Nom.
import, bulk, c.i.f.....ton.16.00 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 9.10 -10.10
1-9 tons.....100 lbs. 9.25 -10.25
less than ton lots..100 lbs. 9.50 -10.50
gran., bbls., 10-20 tons..... 100 lbs. 8.10 - —
1-9 tons.....100 lbs. 8.25 - —
less than ton lots..100 lbs. 8.50 - —
powd., bbls., 10-20 tons..... 100 lbs. 9.10 - —
1-9 tons.....100 lbs. 9.25 - —
less than ton lots..100 lbs. 9.50 - —
Santonin, cryst., cns.....kilo.180.00 - 185.00
Saponin, crude, cns.....lb. 2.25 - 2.50
Purified, cns., 25 lbs.....lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls., lb. .32 - .33
Mexican, bls.....lb. .19 - .20
Sassafras, bark, ord., bls.....lb. .13 - .14
select, bls.....lb. .20 - .21
Savory, bls.....lb. 1.50 - 1.60
Saw palmetto berries, bgs.....lb. .08 - .09
Scammony root, bgs.....lb. .07 - .08
resin, lump, cns.....lb. .85 - —
powd., bxs.....lb. .90 - —
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment..lb. .33¾- —
smaller lots.....lb. .34¼- —
kegs, 5,000 lbs., 1 shipm't..lb. .34¼- —
smaller lots.....lb. .34¾- —
Selenium, pwd. A, 10-lb. tins..lb. 2.00 - —
100-lb. cases.....lb. 1.75 - —
Senega root, spot, bls.....lb. .95 - 1.00
Senna leaves, Alexandria, half leaf, bls..lb. .18 - .20
siftings, bgs.....lb. .17 - .19
Senna, Tinnevelly, No. 1, bls., lb. .13 - .14
2 bls.....lb. .11 - .13
3 bls.....lb. .10 - .11
powd., bbls., bxs.....lb. .13 - .14
Pods., bls.....lb. .10 - .11
Serpentaria root, bls.....lb. .60 - .65
Shellac, bleached, honeydry, bbls., f.o.b. N. Y..lb. .37 - .38
dlvd., Boston.....lb. .38 - .39
Chicago .....lb. .38½- .39½
Pacific Coast.....lb. .40½- .41½
rfd., bbls., f.o.b. N. Y.....lb. .43 - .44
dlvd., Boston.....lb. .43½- .44½
Chicago .....lb. .44½- .45¾
Pacific Coast.....lb. .46¾- .47¾
Garnet bgs.....lb. .30 - .31
D.C., V.S.O., or Diamond 1, cs., lb. .39 - .40
Superfine, bgs., f.o.b. Boston, N. Y..lb. .30 - .31
dlvd., Chicago.....lb. .30½- .31½
Pacific Coast.....lb. .33 - .34
T.N., bgs., f.o.b. Boston, N.Y. lb. .29 - .30
Pacific Coast.....lb. .32½- .33½
dlvd., Chicago.....lb. .29½- .30½
varnish, Metro area, orange, 5-lb. cut, bbls..gal. 1.55 - 1.60
4½-lb. cut, bbls.....gal. 1.50 - 1.55
4-lb. cut, bbls.....gal. 1.45 - 1.50
white, 5-lb. cut, bbls.....gal. 1.70 - 1.75
4½-lb. cut, bbls.....gal. 1.65 - 1.70
4-lb. cut, bbls.....gal. 1.60 - 1.65

Prices, dlvd., Boston or Chicago, 10c. per gal. higher.

Silica amorph., dry-grd., 96-97%, 325 mesh, bgs., c.l., works.ton.17.00 - —
l.c.l., 2¼ tons, works, ton.19.00 - —
smaller lots, works.ton.20.00 - —
wet-grd., 96-97%, 325 mesh, bgs., c.l., works..ton.19.00 - —
l.c.l., 2¼ tons, works, ton.21.00 - —
smaller lots, works.ton.25.00 - —
400 mesh, bgs., c.l., works, ton.30.00 - —



SNOWFLAKE is a *natural*. . . . It's "made-to-order" for bath crystal bases. . . . It's a made-to-order salesman, too. . . . For once Snowflake is made up and packed in transparent packaging, its own natural beauty helps get your product across.

As the perfect bath crystal base, Snowflake offers you all these advantages. Check them against the base you are using now:

1. **BEAUTIFUL** crystalline appearance!
2. **EFFECTIVE** water softening properties!
3. **READY** solubility!
4. **STABILITY**—non-caking and unchanged chemical composition or physical appearance!

Send in the coupon.

5. **MILDNESS**—non-irritating to the skin!
6. **DETERGENT** properties—aids the soap!
7. **ABSORBS** dyes readily!
8. **EXCELLENT** vehicle for perfumes!
9. **FREE-FLOWING** properties make it ideal for use in filling machines!
10. **LOW COST!**

There's a natural for you, with utility and sales appeal built right into the product! *Remember:* Snowflake *softens* the water, *does not harden it!* WRITE FOR BULLETIN No. 224-B—"Manufacture of Bath Crystals from Snowflake Crystals."

SOLVAY SALES CORPORATION

Alkalies and Chemical Products Manufactured by The Solvay Process Company

40 RECTOR STREET NEW YORK, N. Y.

60th ANNIVERSARY 1881 • 1941

SOLVAY SALES CORPORATION • 40 Rector Street, New York, N. Y.

Gentlemen: Kindly send me a copy of your Bulletin No. 224-B—"How to Manufacture Bath Crystals from Snowflake Crystals."

Name.....

Affiliated with.....

Address.....

City..... *State*..... OG-941

Silica, amorph., wet-grd., 400 mesh, bgs., l.c.l., 2½ tons, works..ton.35.00 - —
smaller lots, works..ton.38.00 - —
wet-grd., 96-98% 325 mesh, bgs., c.l., works..ton.20.00 - —
l.c.l., 1½ tons, works..ton.21.50 - —
smaller lots, works..ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
Silica, amorph., wet-grd., med. grd., 99%, 325 mesh, l.c.l., 2½ tons, works..ton.25.50 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works..ton.13.50 - —
l.c.l., works.....ton.18.50 - —
140 mesh, bgs., c.l., works, ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .34¾- —
Govt. purchase, dom., metal, oz. .7111- —
Govt. purchase, foreign metal, oz. .85 - —
Cyanide, cns., 2,500 ozs.....oz. .33 - —
1,000 ozs.....oz. .33¾- —
500 ozs.....oz. .33½- —
80 to 100 ozs.....oz. .33¾- —
Nitrate, 100-oz. bots.....oz. .24 - —
Nucleinate, bots., dms.....oz. .29 - .34
Proteinate, bots., dms.....oz. .28 - .32
Simarubra barks, bls.....lb. .35 - .40
Skullcap, Eastern, bls.....lb. .23 - .24
Western, bls.....lb. .14 - .15
Skunk cabbage root, bls.....lb. .11 - .12
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .56 - .58
Smalt, black, extra velvet, ctns., lb. .06 - .08
Blue, ctns.....lb. .07 - .08½
Snakeroot, Canada, bls.....lb. .24 - .26
Soapbark, bls.....lb. .10 - .11
crushed, bls., bbls.....lb. .13 - .13½
cut, German, bls., bbls.....lb. No stocks
dom., bbls.....lb. .17 - .18
powd., bbls.....lb. .16 - .17
Soda, acetate, anhyd., dms., dlvd., lb. .08½- .10
flake, gran., powd., 60% dms., c.l., dlvd..lb. .04½- .05
l.c.l., dlvd.....lb. .05 - .06
USP, bbls., dlvd.....lb. .06 - .07
Alginate, dms., bbls., works..lb. .59 - .70
Aluminate, white soluble, c.l., bgs., frt. equald..100 lbs. 7.50 - —
dms., frt. equald....100 lbs. 7.75 - —
l.c.l., bgs., frt. equald.100 lbs. 8.40 - —
dms., frt. equald....100 lbs. 8.65 - —
Antimoniate, bbls., dlvd.....lb. .15 - .15½
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms.....lb. .09¼- .09¾
Arsenite, dry, gray, dms, c.l., dealers, works..lb. .06¾- —
l.c.l., dms., works.....lb. .07½- .08½
white, dms., c.l., dealers, works..lb. .07¾- —
l.c.l., dms., works.....lb. .08½- .09½
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.13 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.53 - —
4 .....100 lbs. 2.98 - —
bbls., c.l., works..100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works...100 lbs. .95 - —
extra light, 58%, bgs., c.l. 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works.....100 lbs. 1.45 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
bulk, c.l.....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works...100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —

Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1: All Northern U.S. E. of Miss. River and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H. and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyoming.

Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., ftb., 4,000 lbs. or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - —
l.c.l. .....100 lbs. 1.90 - —
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
l.c.l. .....100 lbs. 2.60 - —
powd., bbls., c.l., works... 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., wks. lb. .07¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07½- —
5 cks. or 9 bbls. or less, works..lb. .07¾- —
Soda, biffuoride, bbls., c.l.....lb. .11 - —
10 bbl. lots.....lb. .11½- .13
1-9 bbls.....lb. .12 - —
kegs .....lb. .12½- .14
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
33 deg., bbls., c.l., works, 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works, 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works..100 lbs. 1.55 - —
l.c.l., bbls., works..100 lbs. 1.80 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - .31
fiber dms., 100 lbs.....lb. .28 - .32
Cacodylate, 1-kilo bots.....lb. No prices
Carbonate (see Soda ash, soda monohydrated, soda sal),
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
dms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
L.c.l., same zone prices as ammonia process
liquid, 44-49% buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works..... 100 lbs. 1.93 -
Soda, caustic, liquid, 70% buyers' tanks, works..100 lbs. 1.97½- —
sellers' tanks, works..... 100 lbs. 2.00 - —
solid, 76% ammon., process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, dms., c.l., works..100 lbs. 2.30 - —
Soda, caustic, solid, electro process, dms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¾- —
l.c.l., works.....lb. .06½- —
pows., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .08½
Chromate, spot, c.l., works..lb. .06¾- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .09¼- —
Citrate, USP VIII, 225-lb. bbls. lb. .18½- —
cns., dms., 50-lb. lots....lb. .20½- —
25-lb. lots .....lb. .22½- .23½
dms., kgs., 100-lb. lots...lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —

Silica—Soda Hyposulphite

Soda, cyanide, 96-98%, dom., dms..lb. .14 - .15
imports, 90%, cs.....lb. No prices
Diacetate, 33-35% acidity, bbls., dlvd..lb. .10 - —
anhy., dms., dlvd.....lb. .12½- —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .08 - —
l.c.l., 10 or over, same basis..lb. .08½- —
1-9, same basis.....lb. .09 - —
95%, bbls., c.l., same basis.lb. .08¼- —
l.c.l., 10 or over, same basis..lb. .08¾- —
1-9, same basis.....lb. .09¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots.....lb. 1.25 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.65 - —
powd., bbls., 1,000-lb. lots..lb. 1.30 - —
100-lb. lots.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.70 - —
solution, cbys., cns.....lb. .82 - 1.02
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, sticks, cns., 100 to 1,000-lb. lots..lb. .22 - .24
Hypophosphite, N. F., cns., 100-
Hyposulphite, cryst., large, bgs., works, frt. equal'd...100 lbs. 2.25 - —
bbls., same basis..100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd..100 lbs. 2.80 - —
bbls., same basis...100 lbs. 2.70 - —

for Busy Men WITH PROCUREMENT AND PRODUCTION PROBLEMS

AT THIS YEAR'S CHEMICAL INDUSTRIES EXPOSITION
DECEMBER 1-6, 1941

The largest number of exhibits in more than a decade — chemical processing equipment, appliances, instruments, chemicals and chemical products, materials and supplies.

The most varied, and helpful group of exhibits ever staged for the benefit of the chemical process and related industries.

Exhibits staged by leading manufacturers who, by exhibiting, show that they are exerting their utmost efforts to serve industry.

Think what that means to you as a help in solving procurement and production problems!

Never before has the Exposition of Chemical Industries been able to do as much as it can this year to help busy men who are worried by procurement and production problems. By spending a few days at this year's Chemical Exposition, you can accomplish more than at any other time or place in the world—including your own office.

Three great floors of Grand Central Palace full of exhibits by the very top strata of suppliers—each of them devoting a week to the service of the chemical industries when such service is so important—each making it easy for you to see the actual products displayed and demonstrated—each providing chemical and engineering specialists eager to welcome consultation and discussion.

Come to the Chemical Exposition — bring your associates. See that all your key men attend. It's one of the most important things you can do at this time.

18th EXPOSITION OF CHEMICAL INDUSTRIES
GRAND CENTRAL PALACE, NEW YORK, DEC. 1-6, 1941
Managed by International Exposition Co.

DEDICATED TO SPEEDING UP AMERICA'S INDUSTRY FOR THE DEFENSE PROGRAM

Soda Hyposulphite—Strychnine

Soda, hyposulphite, cryst., pea, bgs., c.l., works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.90 - —
dms., works.....100 lbs. 3.10 - —
5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.90
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works.... 100 lbs. 3.10 - 3.25
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.53 - 2.57
Mandelate, 100-lb. dms.....lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhyd., dms., c.l., works, frt. equal'd..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
3-14 dms., same basis... 100 lbs. 4.80 - —
1-2 dms., same basis... 100 lbs. 5.05 - —
gran., bbls., c.l., works...lb. 2.25 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N.Y.....lb. 3.35 - —
Molybdate, anhyd., kgs., works. lb. .47 - —
Soda, monohydrated, bbls.100 lbs. 2.60 - —
works .....100 lbs. 2.30 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, dom., c.l., 100-lb. bgs., dlvd., f.o.b. cars, producing points or ports, rail or boat shipment .....ton.30.05 - —
200-lb. bgs., same basis, ton.29.35 - —
bulk, same basis.....ton.27.00 - —
imp., c.l., 100-lb. bgs., f.o.b. cars, Atl., Gulf, Pac. warehouses, rail or boat shipment....ton.33.00 - —
200-lb. bgs., same basis, ton.32.40 - —
bulk, same basis....ton.30.00 - —
refd., gran., bbls., 10 tons, 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons.100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized....lb. .08¾- —
c.l., West Coast, f.o.b. ports..lb. .08 -
l.c.l. .....lb. .08¾- .11⅛
Soda nitrite l.c.l. prices range represents delivery at various points.
Orthosilicate, anhy., dms., c.l., works, frt. equal'd....lb. 4.50 - —
15 dms., and over, same basis..lb. 5.45 - —
3-14 dms., same basis..lb. 5.60 - —
1- 2 dms., same basis..lb. 5.85 - —
flake, dms., c.l., works 100 lbs. 3.00 -
Soda, oxalate, neut., bbls.....lb. .09½- —
kgs. .....lb. .44 - —
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15¼- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs., bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.40 - 6.25
l.c.l., works.....100 lbs. 6.35 - 7.25
bbls., c.l., works...100 lbs. 5.60 - 6.45
l.c.l., works.....100 lbs. 6.55 - 7.45
cryst., tech., bgs., c.l., wks., 100 lbs. 2.20 - 2.70
l.c.l., works.....100 lbs. 2.60 - 3.45
bbls., c.l., works...100 lbs. 2.40 - 2.90
l.c.l., works.....100 lbs. 2.80 - 3.65
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.25 - 8.25
l.c.l., works.....100 lbs. 8.00 - 9.00
bbls., c.l., works.....100 lbs. 7.45 - 8.45
l.c.l., works.....100 lbs. 8.20 - 9.20
tribasic, bgs., c.l., works..lb. 2.35 - 2.85
l.c.l., works.....100 lbs. 2.75 - 3.60
bbls., c.l., works...100 lbs. 2.55 - 3.05
l.c.l., works.....100 lbs. 2.95 - 3.80
kegs, c.l., works...100 lbs. 3.05 - 3.55
l.c.l., works.....100 lbs. 3.45 - 4.30
USP (dibasic), bbls., dms., works..lb. .08 - .10
dried, bbls., dms., works..lb. .11½- .16
Picramate, kgs.....lb. .65 - —
Soda, prussiate, yellow, bbls., 10,000 lbs. or more..lb. .11 - —
contracts .....lb. .10 - —
smaller lots.....lb. .11¼- —
contracts .....lb. .10¼- —
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd.100 lbs. 5.10
l.c.l., same basis....100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized..100 lbs. 5.30 - —
l.c.l., same basis....100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal, bgs., dlvd., N. Y..100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....lb. 1.10 - 1.30
Salicylate, bxs.....lb. .52 - .55
Sesquicarbonate, bgs., c.l., works..100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales are also the same.
Sesquisilicate, dms., c.l., works, 100 lbs. 2.90 - —
10 dms. or over, dlvd. N.Y.C., 100 lbs. 4.00 - —
1-9 dms.....100 lbs. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works..100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
Silicofluoride, dom., bbls....lb. .12 - .15
Stannate, dms.....lb. .33½- .36½
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.70 - 1.90
5 tons or over, works, 100 lbs. 1.95 - 2.15
less than 5 tons, works, 100 lbs. 2.20 - 2.40
cryst. (see Glauber's salt).
N.V. VI, ex-siccated, pwd., bbls..lb. .07 - .07½
U.S.P. cryst., gran., bbls..lb. .10 - .10½
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
solid, bbls., c.l., works, 100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.60
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, gran., bbls., dms..lb. .26 - .28
Sulphocyanide, dms., cns....lb. .28 - .30
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05¼- —
l.c.l., works.....lb. .06 - —
single dm. lots, works...lb. .08 - —
tanks, works.....lb. .04½- —
flake, 70-72%, dms., c.l., works, lb. .04½- —
l.c.l. works.....lb. .05 - —
Sulphoricinolate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks.gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts.. works, lb. .15¼- —
smaller lots, works.....lb. .15¾- —
Soybean meal, 41%, bgs.....ton.48.70 Nom.
protein, bgs., c.l. (40,000 lbs.), works..lb. .16 - —
l.c.l., 20,000 lbs., works....lb. .16¼- —
100 lbs., works.....lb. .16½- —
smaller lots, works.....lb. .20 - —
Sparteine sulphate, cns.....oz. 3.65 - 3.95
Spearmint leaves, bls.....lb. .28 - .29
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .02 - —
tanks, works.....lb. .01¼- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. .50 - .60
White, bls.....lb. .21 - .23
powd., bbls., bxs.....lb. .35 - .40
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 3.10 - —
dlvd., N. Y.....100 lbs. 3.45 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.20 - —
dlvd., N. Y.....100 lbs. 3.55 - —
Potato, dom., bgs., c.l.....lb. .0585- —
l.c.l. .....lb. .0710- —
Import, bgs.....lb. No prices
Rice, bgs.....lb. .06½- .06¾
Sweetpotato, bgs.....lb. .06¾ Nom.
bbls. .....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Stavesacre, seed, bgs.....lb. .35 - .40
Stearin, oleo.....lb. .09½- .10
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. 1.80 - 1.85
Stramonium leaves, bls.....lb. .32 - .33
Strontium bromide, cns.....lb. .52 - .58
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 99-100%, precip., bbls., lb. .25 Nom
Chloride, tech., bbls.....lb. .20 - .22
Iodide, bots., 5 lbs.....lb. 3.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-24 bbls. and over.....lb. .08¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Strolyl, acetate, bots.....lb. 3.10 - 3.25
Strychnine, cryst., cns., 100-ozs. lots..oz. .66 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —

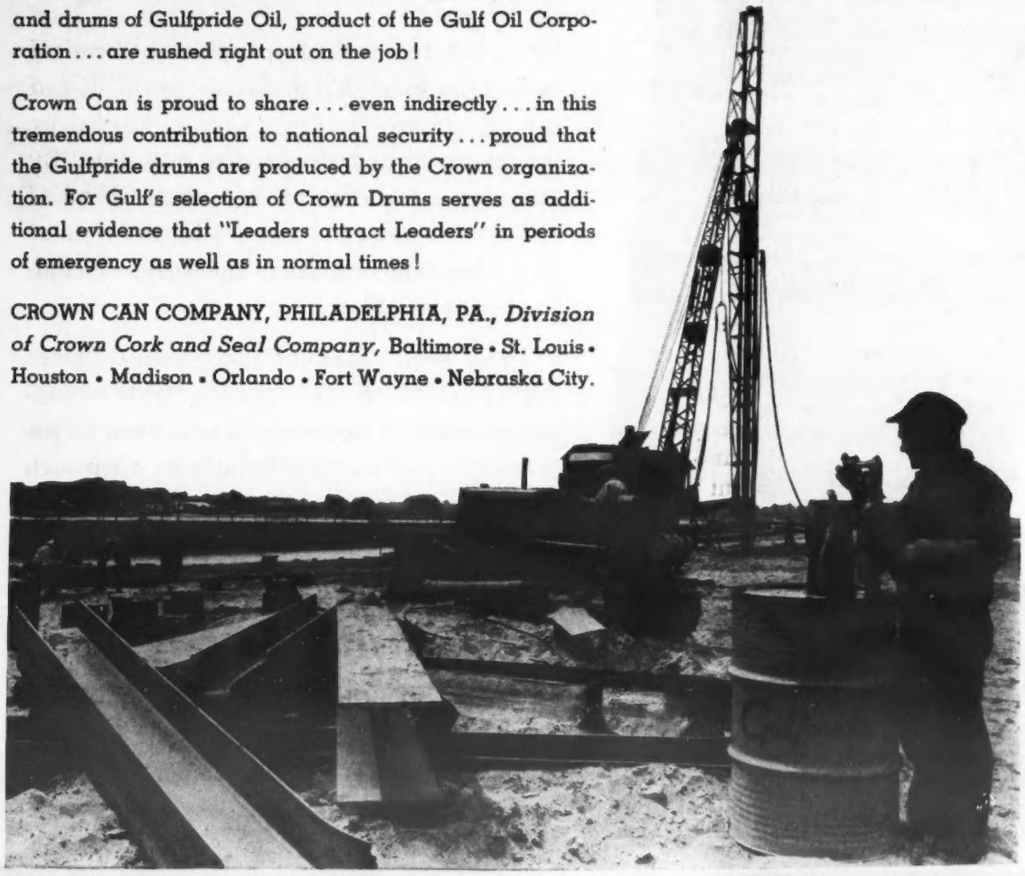
DRUMS TAKE A DRUBBING
AS THE *Navy Speeds Up!*

WHEN your Uncle Sam wants a two-ocean Navy in a hurry... things move fast at the Philadelphia Navy Yard! Even before Dry Dock Associates finish one gigantic dry-dock... another is under way!

Machinery of all kinds... pile-drivers, pumpcretes, concrete mixers, air compressors, cranes, bulldozers, trucks... are driven to the limit. Lubrication becomes all-important... and drums of Gulfpride Oil, product of the Gulf Oil Corporation... are rushed right out on the job!

Crown Can is proud to share... even indirectly... in this tremendous contribution to national security... proud that the Gulfpride drums are produced by the Crown organization. For Gulf's selection of Crown Drums serves as additional evidence that "Leaders attract Leaders" in periods of emergency as well as in normal times!

CROWN CAN COMPANY, PHILADELPHIA, PA., *Division of Crown Cork and Seal Company,* Baltimore • St. Louis • Houston • Madison • Orlando • Fort Wayne • Nebraska City.



INDEPENDENT AND HELPFUL CROWN CAN

Strychnine, arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., 100-oz. lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .78 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .46 - —
Sucrose Octa-acetate, C.P. grade, bbls., l.c.l., works..lb. .55 - —
denat., bbls., l.c.l., works..lb .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .24 - —
l.c.l., 10 or over.....lb. .25 - —
less than 10.....lb. .26 - —
Sulfadiazine, tablets, bots., 50's, ea. 4.86 - —
100's .....ea. 8.46 - —
1,000's .....ea.72.00 - —
Sulfaguanidine, 3.5-gm. bot..doz. 3.50 - —
4-oz. bots.....ea. 8.10 - —
1-lb. bots.....ea.30.00 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. dms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., crystals, 5-gram bots..ea. .50 -
Sulfathiazole, 5-gm.. bot.....ea. .42 - —
Sesquicarbonate, 5-gm. bot....ea. .42 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
Sulphur, flowers, USP, bgs., c.l., mine..100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
bbls., c.l., mine....100 lbs. 3.15 - —
l.c.l., mine.....100 lbs. 3.70 - —
flour, comm'l bgs., c.l., mine.. 100 lbs. 1.40 - —
l.c.l., mine.....100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine, 100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine.....100 lbs. 2.90 - —
bbls., c.l., mine.....100 lbs. 2.70 - —
l.c.l., mine.....100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine.....100 lbs. 3.00 - —
USP, bbls., c.l., mine..100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
lump, bgs., c.l., mines..100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
bbls., c.l., mine.....100 lbs. 2.10 - —
l.c.l., mine.....100 lbs. 2.65 - —
roll, bgs., c.l., mine...100 lbs. 2.15 - —
l.c.l., mine.....100 lbs. 2.70 - —
bbls., c.l., mine.....100 lbs. 2.30 - —
l.c.l., mine.....100 lbs. 2.85 - —
Rubbermakers, comm'l, 99½%, bgs., c.l., frt. alld..100 lbs. 2.00 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.85 - —
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Sulphur, dioxide, liquid, comm'l, cyls., works..lb. .07 - .09
multi-unit, cars, works.lb. .04½ - .07
tanks, works.....lb. .04 - .06
refrigeration, cyls, works..lb. .16 - .40
multi-unit cars, works..lb. .07½ - .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .23
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
extract, bbls., No. 1.....lb. .09 - —
No. 2.....lb. .08 - —
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .11
Sunflower seed, Calif., large, bgs., lb. .06¾ - .07¼
medium, bgs.....lb. .06 - .06½
poultry, Argentine.....lb. .05 - .05½
Superphosphate, run-of-pile, bulk, f.o.b. cars, boat, Balto..ton. 9.50 - —
guaranteed 16%, bulk, same basis..ton.10.00 - —
20%, bulk, same basis....ton.12.00 - —
triple, bulk, f.o.b. works....ton. No prices

T

Talc, dom., Calif., 1, c.l.....ton.20.00 - —
2, c.l.....ton.17.00 - —
N.Y., fibrous, 93-94%, 325 mesh, c.l..ton.14.00 -16.00
l.c.l. .....ton.16.00 -18.00
96-98%, 325 mesh, c.l..ton.15.00 -17.00
l.c.l. .....ton.17.00 -19.00
99-99½%, 325 mesh, c.l.... ton.15.25 -17.25
l.c.l. .....ton.17.25 -19.25
99.85-99.95%, 325 mesh, c.l. ton.17.00 -19.00
coarse, off-color, c.l.....ton.11.00 -13.00
Aluminum, flake type, grd. c.l..ton.21.00 - —
l.c.l. .....ton.24.50 - —
Vermont, c.l.....ton.14.00 - —
l.c.l. .....ton.15.00 - —
imp., Canadian.....ton. No prices
French .....ton. No prices
Italian .....ton. No prices
Talc, domestic, is quoted at the mills in bag packing.
Tallow, extra, loose.....lb. .08½ - —
special, loose.....lb. .08⅜ - —
sulphonated, 35% (34% fat), dms., c.l..lb. .05 - —
l.c.l. .....lb. .06 - —
50% (43% fat), dms., c.l..lb. .06½ - —
l.c.l. .....lb. .07¼ - —
50% (48% fat), dms., c.l..lb. .07 - —
l.c.l. .....lb. .08 - —
Tamarind, No. 1, bbls.....lb. .06 - .07
kegs .....keg. 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 4.00 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 3.50 & .15
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 4.85 & .10
high-grade, bulk, Chicago, unit-ton. 5.00 & .10
Tankage, import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports..unit-ton. 4.65 & .10
Tansy leaves, bls.....lb. .22 - .28
Tapioca flour, bgs.....lb. .04¾ - .06¾
Tar acid oil, 15%, dms., c.c., works..gal. .22 - .24
l.c.l., same basis.....gal. .24 - .26
25%, dms., c.l., works....gal. .25 - .27½
l.c.l., same basis.....gal. .27 - .29½
Tar, pine, retort, dms., dlvd. E. cities..gal. .29 - —
ports .....gal. .31 - —
tanks, dlvd. E. cities....gal. .22 - —
Tarragon herb, bgs.....lb. 1.20 Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more, lb. .47¾ - —
less than 5.....lb. .47 - —
USP, powd, bbls.....lb. .50 - —
Terpinyl acetate, cns.....lb. .80 - .85
Terpin hydrate, bbls., dms.....lb. .60 - .65
Terpineol, CP, cns.....lb. .30 - —
dms. .....lb. .27 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .05¼
Tetrachloroethylene, CP, dms..lb. .31½ - —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .19 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, 5-lb. cns.....lb. 2.00 Nom.
Sodiosalicylate, dms.....lb. 2.05 - —
Thiamine hydrochloride, bots., cns. gram. .65 - .90
Thiocarbanilide, dms.....lb. .24 - —
Thorium, nitrate, cs., works...lb. 2.00 -
Thyme, French, bls.....lb. .76 - .78
Spanish, bls.....lb. .20 - .21
Thymola, cns., 25 lbs.....lb. 2.35 - —
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Timbo root (see Cube root).
Tin chloride (ous), anhyd.....lb. .48 - .48½
Crystals, bbls., bgs.....lb. .39 - .39½
Metal, Straits.....lb. .52 - —
Oxide, bbls.....lb. No prices
Tetrachloride, anhyd., bbls..lb. No price
Titanium, dioxide, bgs., c.l., (20 tons)..lb. .14½ - —
l.c.l., 5 tons, single delivery, lb. .14¾ - —
1,000-9,999 lbs.....lb. .15 - —
50-999 lbs.....lb. .15¼ - —
bbls., c.l. (20 tons).....lb. .14¾ - —
l.c.l., 5 tons, single delivery, lb. .15 - —
1,000-9,999 lbs.....lb. .15¼ - —
50-999 lbs.....lb. .15½ - —

Strychnine—Titanium

Titanium, dioxide, non-chalking, bgs., c.l. (20 tons)..lb. .16½ - —
l.c.l., 5 tons, single delivery, lb. .16¾ - —
1,000-9,999 lbs.....lb. .17 - —
50-999 lbs.....lb. .17¼ - —
bbls., c.l. (20 tons).....lb. .16¾ - —
l.c.l., 5 tons, single delivery, lb. .17 - —
1,000-9,999 lbs.....lb. .17¼ - —
50-999 lbs.....lb. .17½ - —
chalk-resistant, bgs., c.l. (20 tons)..lb. .15 - —
l.c.l., 5 tons, single delivery, lb. .15¼ - —
1,000-9,999 lbs.....lb. .15½ - —
50-999 lbs.....lb. .15¾ - —
bbls., c.l. (20 tons).....lb. .15¼ - —
l.c.l., 5 tons, single delivery, lb. .15½ - —
1,000-9,999 lbs.....lb. .15¾ - —
50-999 lbs.....lb. .16 - —
barium or magnesium base, bgs., c.l. (20 tons)..lb. .05¾ - —
l.c.l. .....lb. .06 - —
bbls., c.l. (20 tons).....lb. .06 - —
l.c.l. .....lb. .06¼ - —

IT'S MOLD RESISTANT

Here is a practical demonstration of the mold resistance that can be obtained by the addition of Dowicide* VI.

Dowicide VI, a phenolic derivative, controls a wide variety of micro-organisms attacking paint and provides a strong selling argument for a better, longer-lived product.

Easy and inexpensive to incorporate in the formulation—a superior oil soluble, water insoluble fungicide. Write to Dow for complete information.

PICTURE TELLS DOWICIDE STORY

Shown above is part of a cement ceiling in a pickle plant. Four sections were painted to bring out relative mold resistance. Photograph, taken nine months after painting, shows progressive degree of mold resistance in the treated sections.

❶ PROPER TREATMENT—2% Dowicide VI for both undercoat and topcoat—entirely free of mold.

❷ Topcoat 2% Dowicide VI, undercoat none—traces of mold.

❸ Undercoat 2% Dowicide VI, topcoat none—less mold than untreated paint.

❹ Section with both undercoat and topcoat untreated, black with mold.

DOWICIDE-VI

DOW

Working with you for America

THE DOW CHEMICAL COMPANY
MIDLAND MICHIGAN

New York City, St. Louis, Chicago, San Francisco, Los Angeles, Seattle, Houston

*Trade Mark Reg. U.S. Pat. Off.

Write Today
FOR MORE COMPLETE INFORMATION

Titanium—Zirconium

Titanium, calcium base, bgs., c.l. (20 tons)..lb. .05½- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —
calcium-rutile base, bgs., c.l. (20 tons)..lb. .05½- —
l.c.l. .....lb. .05¾- —
bbls., c.l. (20 tons).....lb. .05¾- —
l.c.l. .....lb. .06 - —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses. Pacific Coast prices are ¼c. per lb. higher than the above.

Toluidin base, distilled, kgs.....lb. .96 - —
Tolu, balsam, cns......lb. .85 - .95
Toluidin, mixed, dms......lb. .96 - —
Toluol (toluene), 2° indus., dms., returnable..gal. .32 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .27 - —
1° nitration, dms., returnable, gal. .33½- —
tanks, E. of Omaha, frt. alld., gal. .28½- —
W. Coast, f.o.b. Minnequa, Colo..gal. .28½- —
Tonga vine, F, bls......lb. .65 - .70
root, bls.....lb. .65 - .70
Tonka beans, Angostura, cks..lb. 2.40 - 2.50
Brazilian, Surinam, cs.....lb. .70 - .85
Triacetin, dms......lb. .28 - —
Triamyl borate, dms., l.c.l., works, lb. .37 - —
Triamylamine, l.c.l., works....lb. .90 - —
Tributylamine, l.c.l., dms., works, lb. .70 - —
Tributyl citrate, ton lots, 475-lb. dms..lb. .34 - —
smaller lots.....lb. .33 - —
Phosphate, dms., l.c.l., divd.lb. .47 - —
cns., works.....lb. .51 - —
Trichlorobenzene, dms., c.l., frt. alld..lb. .08 - —
l.c.l., same basis.....lb. .08½- —
tanks .....lb. .07½- —
Trichlorethylene, dms., c.l., works, frt. alld., Zone 1...lb. .06 - —
l.c.l., same basis.....lb. .08¼- —
Zone 2, dms., c.l., works, frt. alld..lb. .08¼- —
l.c.l., same basis.....lb. .09 - —
Zone 3, c.l., works, frt. alld. lb. .09 - —
l.c.l., same basis.....lb. .09¼- —
Zone 4, dms., c.l., f.o.b. stock points..lb. .09 - —
l.c.l., same basis.....lb. .09¼- —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Mo., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., divd..lb. .40¾- .51¼
dms., c.l., divd.....lb. .37½- —
Tech., dms.....lb. .25 - —
500 lbs., dms.....lb. .25½- —
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works.....lb. .20 - —
tanks, works.....lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms..lb. .24 - —
smaller lots.....lb. .23 - —
Triethyl phosphate, dms., divd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Trimethyl phosphate, cns.....lb. .54 - .56
dms., divd.....lb. .50 - —
Trimethylamine, dms., c.l., divd., lb. .35 - —
l.c.l., divd.....lb. .90 - —
Triphenyl phosphate, dms.....lb. .55 - —
Tripoli, air-floated, bgs., c.l., works..ton. 26.00 - —
double grd., bgs., c.l., works, ton. 16.00 - —
once-grd., bgs., c.l., works.ton. 14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90%, dms., works..lb. No prices
Oxide, CP, kgs.....lb. No prices
Chem. grade, kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .08¾- .09¼
Madras, bgs.....lb. .07¼- .08
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .82½- —
l.c.l., 10 ex dock.....gal. .84½- —
5 ex dock.....gal. .86½- —
wood, dest., dist., dms., divd. E. ports..gal. .62 - .65
tanks, divd., E. cities....gal. .55 - —
steam-dist., dms., c.l., divd.gal. .78 - —
l.c.l., divd.....gal. .81 - —
tanks, divd.....gal. .73 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs....lb. 2.55 - —
yellow, kgs.....lb. 1.05 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Metropolitan New York, Phila., Wilmington, Del., Baltimore, Wilmington, N. C., Charleston, Savannah, Jacksonville....ton. 80.00 - —
l.c.l., f.o.b. Belle, W. Va., ton. 82.50 - —
5-19 tons, f.o.b. Boston, New York, Philadelphia, Wilmington, Del., Baltimore..ton. 85.00 - —
less than 5 tons, f.o.b. New York, Phila..ton. 90.00 - —
Import, 46% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship..ton. No prices
smaller lots, f.o.b. N. Y. whse..ton. No prices
pure, cs.....lb. .12 - —
Urea fertilizer compound, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports.....ton. 57.40 - —
Urea - ammonia liquor, basis, 45% N., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports, ton. 121.50 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports, ton. 127.00 - —
Uva ursi leaves, bls.....lb. .18 - .20

V

Valerian root, Belgian, bls....lb. .95 - 1.00
Eastern, bls.....lb. .45 - .47
Valonia, beards, bgs., f.a.s....ton. No prices
cups, bgs., f.a.s.....ton. No prices
Vanadium pentoxide, C.P., bgs., cns., works...lb. 7.00 - —
tech., dms., works.....lb. 1.10 - —
Vanilla beans, Bourbon, tins...lb. No prices
Mexican, tins.....lb. 15.00 Nom.
cuts, tins.....lb. 14.00 Nom.
South American, tins.....lb. No prices
Tahiti, tins.....lb. 5.50 - 6.00
Oleoresin, bots.....lb. No prices
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins.....lb. 2.65 - —
1-lb. tins.....lb. 2.75 - —
ex guaiacol, 25-lb. tins.....lb. 2.15 - —
5-lb. tins.....lb. 2.20 - —
1-lb. tins.....lb. 2.30 - —
ex lignin, any quantity, 25-lb. tins...lb. 2.35 - —
5-lb. tins.....lb. 2.40 - —
1-lb. tins.....lb. 2.55 - —
Venice turpentine, true, cs....lb. 1.75 - 2.00
Verdigris, bbls., kgs.....lb. .22 - .23
Vinyl acetate, cns., works.....lb. .28 - —
dms., c.l., 20,000 lbs. gross, works..lb. .14 - —
l.c.l., works.....lb. .15 - —
5 gals., dms., works.....lb. .26 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls.....lb. .40 - .41
tree.....lb. .19 - .22
Wattle bark, bgs., f.a.s.....ton. 41.00 - 43.00
Extract, solid, bgs.....lb. .0460-.04475
liquid, tanks.....lb. .05 - —
bbls.....lb. 95% - —
Wax, amorphous, group 3, at refineries: 160-165, amber, lb. .15½- —
160-165, black.....lb. .14 - —
160-165, white.....lb. .28 - —
180-185, amber.....lb. .17½- —
180-185, black.....lb. .16 - —
180-185, white.....lb. .30 - —
Bayberry, bgs.....lb. .18 - .20
Bees, white, bleach, slabs, cs., lb. .53 - —
cake, cs.....lb. .54 - —
discs, cs.....lb. .55 - —
yellow, crude, Africa, 10-bg. lot..lb. No stocks
1 bg.....lb. No stocks
Brazil, bgs.....lb. No stocks
refd., slabs, cs., lbs.....lb. .51 - .52
Candelilla, bgs., 1 ton.....lb. .30 - .32
jobbing lots.....lb. .31 - .32
Carnauba, No. 3, chalky, bgs., 1 ton..lb. .72 - .73
5 bgs.....lb. .72½- .73½
1 bg.....lb. .73 - .74
N. C., 3, bgs., 1 ton.....lb. .76 - .77
5 bgs.....lb. .76½- .77½
1 bg.....lb. .77 - .78
refined, bgs.....lb. .81 - .82
yellow, No. 1, bgs., ton....lb. .83 - .84
5 bgs.....lb. .83½- .84½
1 bg.....lb. .84 - .85
No. 2, bgs.....lb. .82 - .83
Ceresin, dom., 138°, 140° m.p., bgs., 1 ton...lb. .12½- .13
jobbing lots.....lb. .13½- .14
150°-160° m.p., bgs., 1 ton...lb. .14½- .15
jobbing lots.....lb. .15½- .16
160° m.p., bgs., 1 ton.....lb. .15½- .16
jobbing lots.....lb. .16½- .17
Japan, cs.....lb. .32 - .35
Montan, bgs., c.l.....lb No prices
5 tons.....lb No prices
less than 1 ton.....lb No prices
Ouricury, refined, bgs.....lb. .58 - .59
Ozokerite, hard, green, congeal. p. 66°-68° C., bgs..lb. No prices
70°-72° C., bgs.....lb No prices
74°-76° C., bgs.....lb No prices
snow-white, pure, 76°-78° C., bgs..lb. No prices
yellow, natural, 76°-78° C., bgs..lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs....?.lb. .34 - .25
cakes, cs.....lb. .25 - .26
White lead (see Lead, white).
White pine bark, roased, bls...lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more...lb. 2.94 - —
Whiting, chalk, dried, com'l, dry, blp, bgs., c.l., works.ton. 16.00 -20.00
l.c.l., works.....ton. 18.00 -22.00
bbls., c.l., works.....ton. 19.00 -24.00
l.c.l., works.....ton. 21.00 -26.00
pap. bgs., c.l., works...ton. 16.00 -18.00
l.c.l., works.....ton. 17.00 -20.00
wet-grnd., blp. bgs., c.l., works.....ton. 18.50 -22.50
l.c.l., works.....ton. 19.00 -23.00
bbls., c.l., works.....ton. 21.00 -25.00
gilders, bolted, blp. bgs., c.l., works..ton. 18.00 - —
l.c.l., works.....ton. 19.00 - —
bbls., c.l., works.....ton. 20.00 -21.00
l.c.l., works.....ton. 21.00 -23.00
pap. bgs., c.l., works...ton. 17.00 -18.50
l.c.l., works.....ton. 18.00 -19.00
extra bolted, blp., bgs., c.l., works..ton. 20.00 - —
l.c.l., works.....ton. 21.00 - —
bbls., c.l., works.....ton. 22.00 -23.00
l.c.l., works.....ton. 23.00 -24.00
pap. bgs., c.l., works...ton. 19.00 -20.50
l.c.l., works.....ton. 20.00 -21.00
Paris white, blp. bgs., c.l., works, ton. 19.00 - —
l.c.l., works.....ton. 20.00 - —
bbls., c.l., works.....ton. 22.50 -27.50
l.c.l., works.....ton. 23.00 -28.00
pap. bgs., c.l., works...ton. 19.60 -26.10
l.c.l., works.....ton. 20.00 -26.50
Limestone, air-floated, 99.75%, 250 mesh, paper bgs., c.l., ton. 10.10 - —
200 mesh, paper bgs., c.l., same basis...ton. 9.35 - —
90%, 200 mesh., paper bgs., c.l., same basis...ton. 7.00 - —
gilders, bgs. (extra), c.l., works...ton. 11.50 - —
l.c.l., 8-20 tons, works.ton. 12.50 - —
4-8 tons, works.....ton. 13.50 - —
2-4 tons, works.....ton. 14.50 - —
bolted, extra, bgs., c.l., works...ton. 12.50 - —
l.c.l., 8-20 tons, works.ton. 13.50 - —
4-8 tons, works.....ton. 14.50 - —
2-4 tons, works.....ton. 15.50 - —
works...ton. 11.00 - —
Whiting, limestone, gilders, bolted, l.c.l., 8-20 tons, works, ton. 12.50 - —
4-8 tons, works.....ton. 13.00 - —
2-4 tons, works.....ton. 14.00 - —
putty grade, bgs. (extra), c.l., water-floated, bgs. (extra), c.l., works..ton. 11.50 - —
l.c.l., 8-20 tons, works.ton. 12.50 - —
4-8 tons, works.....ton. 13.50 - —
2-4 tons, works.....ton. 14.50 - —
precipitated, bgs., c.l., works, ton. 15.00 - —
l.c.l., 5 tons, works...ton. 20.00 - —
smaller lots, works..ton. 25.00 - —
Wild cherry bark, thick, natural, bls..lb. .07 - .08
roased, bls.....lb. .08 - .09
thin, natural, bls.....lb. .07 - .08
roased, green, bls.....lb. .10 - .11
Wild indigo root, bls.....lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls..gal. .44 - .45
leaves, bls.....lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y..ton. 24.00 -25.00
80 mesh, same basis.....ton. 26.00 -28.00
100 mesh, same basis....ton. 30.00 -32.00
import, 70 mesh, bgs., ex dock..ton. No prices
80 mesh, bgs., ex dock..ton. No prices
100 mesh, bgs., ex dock..ton. No prices
120 mesh, bgs., ex dock..ton. No prices
Wormseed, American, bgs.....lb. .07 - .08
Levant, bgs.....lb. No prices
Wormwood, bls.....lb. .40 - .55

X

Xylol (xylene), indus., dms., returnable, works..gal. .31 - —
tanks, E. of Omaha, frt. alld., gal. .28 - —
tanks, W. of Coast, f.o.b. Minnequa, Colo..gal. .28 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld., gal. .29 - —
5° dms., returnable, works..gal. .41 - —
tanks, E. of Omaha, frt. alld., gal. .39 - —
8°, dms., returnable, works.gal. .48 - —
tanks, E. of Omaha, frt. alld., gal. .46 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

Yara yara, cryst., cns.....lb. 1.35 - 1.50
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York...lb. .52 - .55
bottles, same basis.....lb. .60 - .64
imp., bbls., same basis....lb. .18 Nom.
Cadmium, CP, import, bxs., lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works, frt. alld..lb. .50 - —
smaller lots, same basis.lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis, lb. .60 - —
Sulphide, orange, cases, works, lb. 1.10 Nom.
Chrome, CP, bbls., divd. No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .14½- —

Chrome yellow CP prices are ¼c. higher, divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.). Miss., N. C., S. C., Tenn., Tex., (Dallas, 1¼c.; Ft. Worth, 1½c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher divd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Dutch, pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis chrome..lb. 1.37 - —
primrose shade, bbls., same basis chrome..lb. 1.75 - —
Mercury oxide, tech., bbls., 1,000 lbs..lb. 2.87 - —
smaller lots.....lb. 2.89 - —
Ocher, Amer., golden bbls., works..lb. .04½- .06¼
yellow, bbls., works.....lb. .02 - .02¾
French type, bbls., c.l.....lb. .0345- —
l.c.l......lb. .0365- —
French, all shades, cks., c.l., ex dock, Balto., Boston, N. Orleans for import..lb. .02475 Nom.
New York (f.o.b.)..lb. .02¾ Nom.
Philadelphia, for import..lb. .02¾ Nom.
San Pedro, San Francisco..lb. .0290 Nom.
l.c.l., ex dock, Balto., Boston, N. Orleans..lb. .02375 Nom.
New York.....lb. .02¾ Nom.
Phila., for import....lb. .02¾ Nom.
Portland, Seattle....lb. .03¼ Nom.
San Pedro, S. Francisco..lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans..lb. .02725 Nom.
Indianapolis, Kansas City, Milwaukee, St. Louis..lb. .03¾ Nom.
ex whse., New York, lb. .03 Nom.
Pittsburgh.....lb. .03¼ Nom.
Portland, Seattle....lb. .03¾ Nom.
San Pedro, San Francisco..lb. .03¼ Nom.
f.o.b. N.Y., from dock, lb. .02¾ Nom.
from whse.....lb. .03½ Nom.
Oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y..lb. .04½- —
l.c.l., same basis.....lb. .05 - —
synth., bbls., c.l., works...lb. .06¾- —
l.c.l., same basis....lb. .07 - —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts..lb. .17½- —
open order.....lb. .17½- —
Navy specifications type, contracts..lb. .17½- —
open order.....lb. .17½- —
Yellow dock root, dom., bls....lb. .15 - .20
Yellow root (xanthoriza), bls..lb. .11 - .13
Yerba santa leaves, bls.....lb. .60 - —
Yohimbine hydrochloride, viz..oz. 3.00 - 4.25

Z

Zein, bgs., 1,000 lbs. or more, works..lb. .20 - —
less than 1,000 lbs., works..lb. .25 - —
Zinc acetate, tech., bbls., divd.lb. .15 - .16
USP, bbls., 250 lbs.....lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Zinc, arsenite, bgs., c.l., dealers, E. of Rockies..lb. .12 - —
l.c.l., bgs.....lb. .12½- —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 90 lbs. or over.
Carbonate, tech., bbls.....lb. .14 - .16
USP, precip., powd., bbls..lb. .32½- —
25-lb. dms.....lb. .37½- —
kgs.....lb. .34½- —
Chloride, tech., fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran, dms., c.l., works, 100 lbs. 5.00 - —
l.c.l., dms., works...100 lbs. 5.75 - —
USP, 100-lb. dms.....lb. .30 - .31
25-lb. jars.....lb. .36 - —
solut., 50%, dms., c.l., works, lb. .0290- —
l.c.l., works.....lb. .04 - .04¼
tanks, works.....lb. .0225- —
Cyanide, kgs., works.....lb. .33 - .35
Dust, bbls., c.l., divd.....lb. .09½- —
l.c.l., bbls., divd.....lb. .09¾- —
Iodide, N. F., bots.....lb. 4.54 - —
jars.....lb. 4.40 - —
Fluoride, bbls.....lb. .20 - .25
Metal (see daily quotations in Market report.)
Oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., divd..lb. .06¼- —
l.c.l., divd.....lb. .06¾- —
bbls., c.l., divd.....lb. .06¾- —
l.c.l., divd.....lb. .07 - —
leaded, 6%, bgs., c.l., divd, lb. .06¾- —
l.c.l., divd.....lb. .06¾- —
bbls., c.l., divd...lb. .06¾- —
l.c.l., divd.....lb. .06¾- —
35%, bgs., c.l., divd.....lb. .06 - —
l.c.l., divd...lb. .06¼- —
bbls., c.l., divd...lb. .06¼- —
l.c.l., divd.....lb. .06½- —
50%, bgs., c.l., divd.....lb. .06 - —
l.c.l., divd.....lb. .06¼- —
bbls., c.l., divd...lb. .06¼- —
l.c.l., divd.....lb. .06½- —
French process, com'l, lead free, bgs., c.l., divd..lb. .06¼- —
l.c.l., divd...lb. .06¾- —
bbls., c.l., divd...lb. .06¾- —
l.c.l., divd...lb. .07 - —
green seal, bgs., c.l., divd, lb. .06¼- —
l.c.l., divd.....lb. .06¼- —
bbls., c.l., divd...lb. .06½- —
l.c.l., divd.....lb. .06¾- —
red seal, bgs., c.l., divd..lb. .07¼- —
l.c.l., divd...lb. .06 - —
bbls., c.l., divd.....lb. .06 - —
l.c.l., divd.....lb. .06¼- —
white seal, bgs., c.l., divd, lb .06¾- —
l.c.l., divd.....lb. .09 - —
bbls., c.l., divd...lb. .09 - —
l.c.l., divd.....lb. .09½- —
imported, gold seal, cks., ex whse., lb. No prices
green seal, bbls., ex whse., lb. No prices
white seal, cks., ex whse..lb. No prices
USP, l.c.l., 50-lb. ctns., 50-lb. dms..lb. .10 Nom.

Lead-free and 5% and 35% leaded zinc oxide in car lots are ¼c. per lb. higher delivered Pac. Cst., and in less car lots are ¼c. per lb. higher ex whse. Pac Cst.; 50% leaded is 5.6c. per lb. higher for car lots delivered Pac. Cst.

Palmitate, bbls.....lb. .24½- .27½
Resinate, fused, pale, bbls....lb. .10 - —
precip., dms., divd.....lb. .15 - —
Stearate, tech., precip., bbls., ctns., one ton...lb. .27 - —
smaller lots.....lb. .28 - —
USP, bbls.....lb. .25 - .27
Sulphate, cryst., bgs., c.l., 100 lbs. 3.40 - —
l.c.l. .....100 lbs. 4.10 - —
bbls., c.l.....100 lbs. 3.65 - —
l.c.l. .....100 lbs. 4.40 - —
Zinc, sulphate, fake, bgs., c.l. 100 lbs. 3.80 - —
l.c.l. .....100 lbs. 4.55 - —
bbls., c.l.....100 lbs. 4.05 - —
l.c.l. .....100 lbs. 4.50 - —
powd., bgs., c.l.....100 lbs. 5.35 - —
l.c.l. .....100 lbs. 6.10 - —
bbls., c.l.....100 lbs. 5.60 - —
l.c.l. .....100 lbs. 6.35 - —
Sulphide, bgs., c.l. (20 tons), divd..lb. .07¾- —
l.c.l., divd.....lb. .08 - —
bbls., c.l., 20 bbls., c.l. (20 tons), divd..lb. .08 - —
l.c.l., divd.....lb. .08¼- —
barium, pigment, bgs., c.l., divd..lb. .05¼- —
l.c.l., divd.....lb. .06½- —
calcium pigment, bgs., c.l., divd..lb. .06¼- —
l.c.l., divd.....lb. .06½- —
magnesium pigment, bgs., c.l., divd..lb. .05¼- —
l.c.l., divd.....lb. .05¾- —

Car lot prices are ½c. higher delivered Pac. Cst. and less car lot prices are ½c. higher ex whse. Pac Cst.

Sulphocarbolate, NF, bbls., dms..lb. .24 - .28
Zinc-ammonia chloride, dms., c.l., works..100 lbs. 5.15 - —
l.c.l., works.....100 lbs. 6.35 - —
Zinc-iron oxide, pigment, bgs., c.l., divd..lb. .06¼- —
l.c.l., divd., except Pac. cst..lb. .05¾- —
ex whse., Pac. cst..lb. .06¾- —
Zirconium nitrate, kgs., works.lb. 3.00 - 4.00
Oxide, crude, 70-75%, gr., bbls., works..ton. 75.00 -100.00
white, 98%, grd., kgs., works, lb. 1.80 - 2.00

Synthetic Resins

and other Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the August 4 issue, the next printing will be in the September 1 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 39.

TITANIUM CALCIUM PIGMENT steps outdoors

...in the form of TITANOX-RC

(RUTILE CALCIUM PIGMENT)

This pigment represents the first fundamental improvement in tinting strength and hiding power in composite white pigments since the introduction of titanium pigments 20 years ago.

TITANOX-RC-HT

This is a new companion pigment to TITANOX-RC. It is for use in interior coatings as distinguished from TITANOX-RC which is especially adaptable to exterior enamels and house paints. TITANOX-RC-HT is whiter and brighter than the RC pigment with 40 to 50 points higher tinting strength. The titanium dioxide in these pigments has 20 to 30 per cent more tinting strength than the titanium dioxide in any other pigment. It is more stable and has a higher refractive index.

Send for samples of this unique pigment and for technical information.

TITANOX-RC is a *new* pigment—not just another variation of titanium dioxide, but a new pigment. It is one of the most highly chalk-resistant types of pigment ever produced, thereby making it suited to *exterior* coatings, both white and tinted. It has such low specific gravity and high tinting strength that it becomes the most economical white pigment ever produced on the basis of hiding and low volume cost.

TITANOX-RC has 90 to 100 points higher tinting strength than ordinary titanium calcium pigment which means at least 20 per cent more hiding at no extra cost.

TITANOX
THE WHEEL HORSE OF THE PAINT INDUSTRY
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TITANOX
TRADE MARK

TITANIUM PIGMENT CORPORATION
SOLE SALES AGENT

111 Broadway, New York, N. Y.;
104 South Michigan Ave., Chicago, Ill.;
National Lead Co. (Pacific Coast Branch),
2240 24th Street, San Francisco, California.

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Shortages or Mislocations

The United States Senate says there is no gasoline shortage on the Atlantic seaboard. Its investigators conclude that the excitement over a shortage and the curtailing of selling were uncalled for. Maybe the senate is right in its inventorying; but, its investigators must know that there were several changes in conditions and attitudes in the field of transportation between the time of the gasoline curfew and their probings. But, even they cannot say what, if any, relation the curfew had to the changes.

It is desirable that the sufficiency of gasoline shall not be maintained at the expense of supplies of furnace oil. It is more desirable that the tankcars for carrying gasoline and other finished petroleum products shall not curtail the transportation of industrial solvents. There is reason to believe that all needs for petroleum products can be taken care of to the satisfaction of all concerned, with the possible exception of particular oil concerns affected by necessary allocations. There is a growing belief that the reorganized defense supplies agency will untangle a lot of snarls, because there is a feeling that the nonpolitical director looks upon his task as a business job. May he survive to prove it!

One of the most promising undertakings of the new agency is the gauging of the national supply of industrial materials. The value of this survey cannot be overestimated. It, therefore, should be recognized that information furnished in the survey must be accurate and complete. Otherwise business will continue to fool itself; and, what is more seriously to be considered, government may deem it necessary to double-check the returns by a survey of sales—industrial materials cannot disappear without trace—and might find reason to enforce compulsory reallocations.

It is undeniable that the priorities problem has been aggravated by lack of understanding among businessmen. Lack of confidence has been a contributing factor. Both of these derived largely from lack of proper qualifications in the priorities agency. Some shortages of industrial materials are absolute; others, assumably, are but mislocations.

Swapping Materials

Although barter as a system of trade is widely frowned upon and even severely condemned as a disturbing element in modern commerce, it is not without its advantages under normal conditions, and these are enhanced in times of stress. So it is that, perhaps reluctantly, aside from the natural antipathy for enforced innovations, there is developing under today's exigency in industrial materials substantial and intense interest in the possibilities and practicabilities of neighborly swapping. One manufacturers' group—the Toilet Goods Association—has already arranged, inplemented, and put in operation a system of barter among its members. Other groups, particularly the technical men of the paint industry, are studying the matter, feeling that such a system is necessary and would be beneficial.

Exchange systems have been in operation in British business circles, from manufacturing to retailing, for some time. These include cash, as well as barter, transactions. By reason of the actual wartime stringent regulation of prices in Britain, it is probable that the interjection of speculation is avoided. That angle must, however, have adequate consideration in connection with any plan set up in this country; for there is good reason to expect that, even the statutory imposition of price ceilings would not wholly prevent bootlegging.

Exigency bartering has other aspects which also can prove disturbing and even detrimental. These require, among other decisions, a fixed rule whether swaps will be confined to bona-fide members of an industry. To open the supplies of an industry to draining into another cannot eventually be of benefit to any member even though the outside swapper might temporarily profit or might find some sort of peculiar satisfaction in not helping a competitor.

There is a big question, too, of how much and what kind of publicity should be given to offers or wants in a bartering system. Such information does not necessarily include the name of the offerer or the wanter, even though there may occasionally be a personal element to consider because Smith certainly would not want to help Jones. Whether it is better to leave all transactions to the discrimination of a carefully chosen intermediary, putting all offers and all wants into jackpots and allocating supply and demand on a predetermined basis, is something which each bartering group must determine for itself, and the door should not be closed to changes which experience may show are expedient, if not imperative.

—O-P-D—

Another Medical Care Move

The newly renamed Office of Defense Health and Welfare Services has endorsed and will encourage employer-employee group-payment plans for hospital service. The administrator of the governmental office commends such cooperative plans on the grounds that they "combine the principles of private initiative and hospital service." Such recognition of private enterprise in a social-service role is indeed encouraging.

The so-called "Blue Cross" plan has kept hospital service as a private contribution to public health. It is desirable that the facilities of that plan be fully studied and recorded before further extension of cooperative service is undertaken. With such information in hand, business groups in various communities would be able to correlate their plans with the lagging Federal hospital-building program—and keep the two apart.

Although the records of the draft boards are indicative of health conditions worse than what actually exist, there is enough factual evidence in the findings to support a large national movement for medical care that is better: at least better applied, as the fault appears to lie in inability or disinclination to make use of existing services. That is the reason why some measure of compulsion may be advocated as necessary, and any compulsion will promote state medicine. The trouble is that without compulsion it will be difficult adequately to apply medical care where it is most needed.

It must be recognized that, as a factor of industrial or commercial efficiency, health is of far greater importance with relation to common afflictions than it is in conditions which require hospital service. The vast number of the first class makes such ailments one of the most costly drains on business. So, hospital-service plans are not enough—sometimes they are of secondary importance—and the real need for medical care is but little relieved by them. It is this condition which gives weight to the advocacy of governmental medical care.

Private or public or a combination of the two—and that is the most expectable—the movement for more effective medical care demands more attention on the part of the drug industry and the profession of pharmacy. The druggist has little, if any, part in any of the community health insurance plans now in operation. His exclusion or isolation is ominously typical of the industry.

—O-P-D—

Go Slow on Favors

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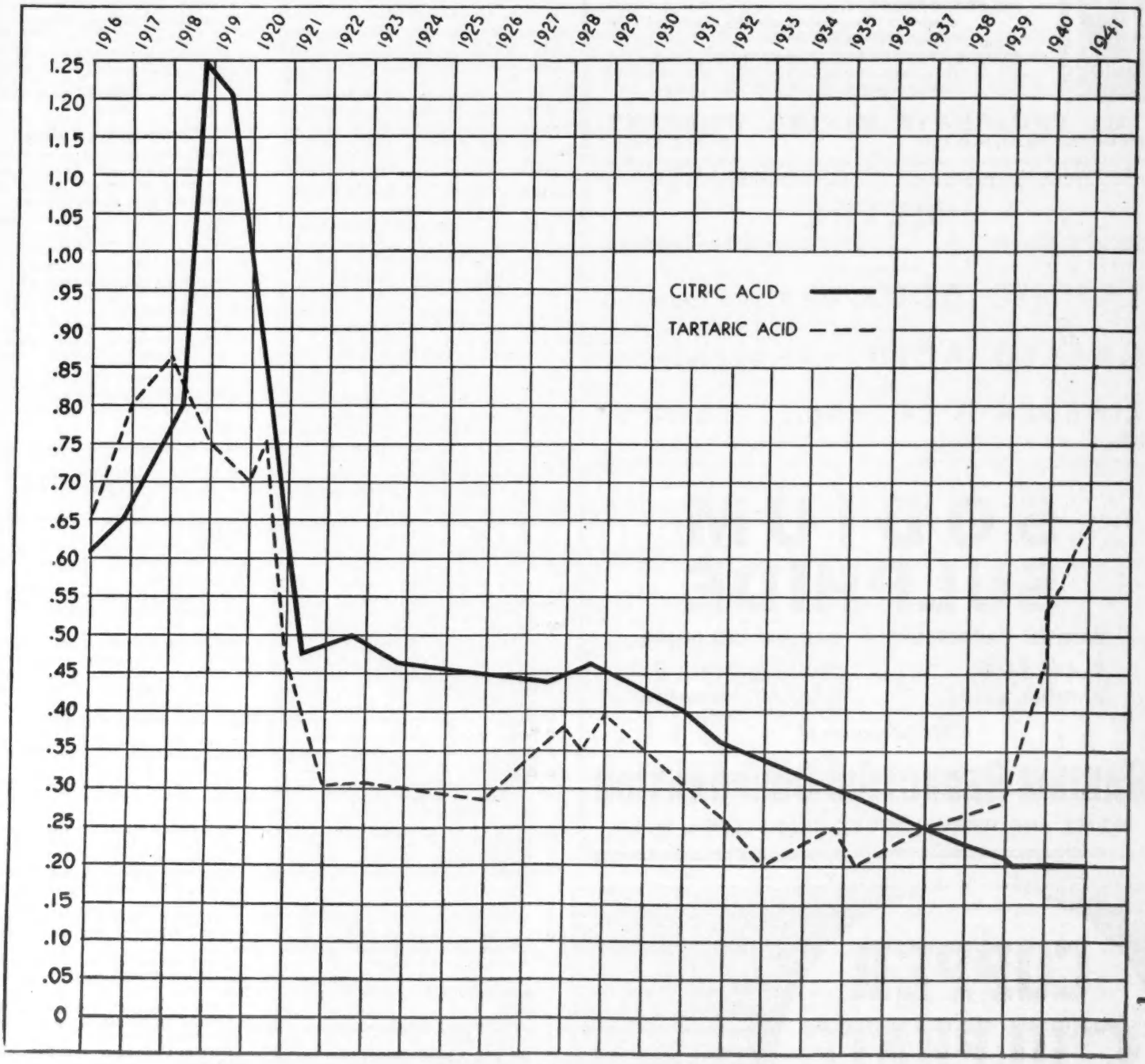

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Heavy Chemicals

One Producer Advances Oxalic Acid for First Rise Since 1932 —Chlorine Cylinder Prices Not Affected By Advance in Tanks —One Director Named for Broad Study of Defense Needs

While no new orders affecting chemicals were released from Washington, announcement of a broad study to be made in the defense program affecting lease-lend, defense and civilian needs undertaken by the SPAB, with one executive director to head its operation, was significant. Under the plan labor, raw materials and machinery will be allotted. Meanwhile, considerable progress was reported in clearing up back applications on priorities with future requests to be handled in much less time. Chemicals moved to defense channels in good volume. Efforts were underway to make distribution of defense business as equitable as possible. A voluntary system of allocation has been worked out successfully in a good many items that were short.

Late preceding period one leading manufacture advanced prices for chlorine in single and multiple unit tanks, however, no revision was made in the cylinder schedule. An upward revision occurred in oxalic acid, with a prominent producer raising prices for the first time in about nine years. Ammonia and soda oxalate prices were also higher. Most producers were following the advance made a while ago in various grades of phosphates.

Paper production, as a percentage of six-day capacity, was 86.1 in week ended September 6, according to the American Pulp and Paper Association. This compares with 101.9 in the previous week and 69.3 a year ago.

Alums. — Price tone very firm. Shipments moved steadily against contracts.

Alumina Sulphate. — Firmer tone evident for commercial. Selling usually limited to regular consumers.

Ammonia, Anhydrous.—Defense requirements expanding, and market position tight. Prices rule firm.

Ammonia, Aqua. — Active inquiry, offerings restricted. Prices display firmness.

Ammonia Bicarbonate.—Steady demand from regular channels. Prices lacked change.

Ammonia Bifluoride.—Stocks scarce, and offerings small. Prices rule firm. firm.

Ammonia Nitrate.—Large quantities moving directly into defense work. Pricewise a firm tone predominated.

Ammonia Phosphate. — Technical grades well absorbed on limited offerings. Prices without change and firm.

Ammonia Oxalate.—Technical grade advanced 4c. ranging from 23c. to 29c. per pound. Market short.

Ammonia Silicofluoride. — Spot stocks difficult to find. A firm price tone prevailed.

Ammonia Sylphocyanide.—Good inquiry, with domestic output sufficient. Prices well maintained.

Ammonia Sal. — Shipments moved steadily, and market retained its firmness.

Antimony.—Domestic spot metal unchanged, while buying was fairly active.

Antimony Oxide. — Situation tight, and offerings restricted. Prices were firm.

Arsenic.—A good movement of white continued in evidence. A firm price tone predominated.

Barium Carbonate. — Sellers behind in shipments. Prices remained at firm levels.

Barium Chloride. — Inquiries and shipments brisk. No change disclosed in the prices.

Barium Nitrate. — Active inquiry prevailed. Prices unchanged and firm.

Bleaching Powder.—Sellers limited

Price Changes

Advanced

Ammonia oxalate, tech., 4c. per lb.
Chlorine, single unit tanks, 25c. per 100 lbs.
multiple units, 35c. per 100 lbs.
Fluorspar, No. 1, dom., ground, $2 per ton.
Oxalic acid, ½c. per lb.
Pyrophyllite, $1 per ton.
Soda oxalate, ½c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
167.9	167.9	167.3	151.4

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
109.0	108.7	108.7	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Caustic Soda

A much tighter situation developed in caustic soda during the past few weeks. A complete reversal has occurred in the statistical position of the market as compared with this time a year ago. Stocks in the hands of producers have disappeared, and an explanation of this development has not been entirely clarified. Government a short time ago requested all manufacturers of alkali in the country to supply statistics on production and sales to ascertain the amount consumed in the defense industries. Estimates were that consumption has increased anywhere from ten to fifteen percent, and some reports reveal that the bulk of the increase has been in the miscellaneous classification or smaller consuming channels.

Production during 1940 amounted to 1,085,000 short tons, compared with 1,025,000 tons in the preceeding year. The contemplated expansion in chlorine output under the defense program was expected to enchance the production of caustic soda.

A broader export inquiry has been in evidence recently with a number emanating from British colonial possessions formerly supplied by great Britain. An export license will now be required under the new export control which went into effect August 29, this year. Exports during 1940 totaled 209,932,472 pounds, against 260,999,692 pounds in the previous year. In the first five months shipments aggregated 101,664,909 pounds, compared with 102,109,380 pounds in the same period of 1940.

While no price change has occurred since the beginning of the war, a much firmer tone has been in evidence. Full price schedules are now being adhered to for all consuming channels, and quotations will be extended at firm levels for the balance of this year.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—
National Pest Corn Control Ass'n, San Francisco, Oct. 27-29.

business to regular contracts for normal needs. Prices held firm.

Calcium Carbide. — Shipments moved well, and market was in a firm position.

Calcium Chloride.—A broad demand characterized the market. Prices held at previous levels.

Carbon Tetrachloride.—Defense requirements continue big factor, while other consumers were on allocated basis. Prices firm at recently established levels.

Chlorine.—One producer advanced single unit tanks 25c and multiple units 35c. per 100 pounds. Prices follow; single units, $2 per 100 pounds; multiple unit, 3 or over, $2.25; 2, multiple units, $2.75 and one $3.25 per 100 pounds. No change occurred in the cylinders.

Cobalt Oxide. — Prices continued firm. Business confined to regular accounts as a rule.

Copper.—September allocations well under way. General situation remains tight. Price firm at 12c. per pound.

Copper Salts.—Business on pro rated basis. Prices retain a firm tone.

Copper Sulphate. — Sellers well booked ahead. Defense needs receiving preference. Agricultural movement to South at hand. Prices firm.

Copperas.—Market position tight, with offerings restricted. Prices firm.

Fluorspar.—One seller advanced No. 1 domestic ground $2 to basis of $32 per ton for bulk lots. Other prices firm, and buying steady.

Glauber's Salt.—Business limited to regular contract consumers for normal needs. Prices unchanged and tone firm.

Lead Acetate.—Offerings restricted. Prices display firmness.

Lime.—A broad demand prevailed. Pricewise a steady to firm tone governed the dealings.

Magnesia Chloride.—Supplies scarce, limited offerings reflecting priority on basic material. Prices without change.

Manganese Dioxide.—A firm tone characterized the trading, while dealings were largely confined to contract.

Nickel Salts.—Shipments remain on pro rated basis. Price situation held firm.

Phosphorus.—A tight position was still in evidence as the result of government needs. Prices rule firm.

Potash Carbonate.—Demand steady, with business usually restricted. Prices firm.

Potash, Caustic.—Some slight delays in shipments to regular consumers. Prices without change.

Potash Chlorate. — Defense needs take large part of output. Prices remain the same.

Potash Oxalate.—Price for technical grades held unchanged. Steady interest.

Potash Permanganate.—Broader defense requirements keep market in sold up position. Prices remain firm.

Pyrophylite.—Prices advanced $1 per ton making standard 200 mesh, carlots, mines, $10; 325 mesh, $13; No. 3, 200 mesh, carlots, mines, $8 and 325 mesh, $11 per ton.

Soda Acetate.—One seller discontinued manufacture of 90 percent material. Other grades remain well sold ahead. Prices firm.

Soda Ash.—Buying broad, sellers limiting business to regular contracts for normal requirements. Prices display much firmer tone.

Soda Bicarbonate.—Shipments continued to move steadily. Prices were firm.

Soda Bifluoride.—Situation tight, offerings limited. Prices without change.

Soda Chlorate.—Prices remain firm. Selling confined to regular contracts.

Soda Cyanide.—Demand active, sellers taking care of all defense needs. Prices firm.

Soda Fluoride. — Supplies scarce. Prices unchanged and firm.

Soda Hydrosulphite.—Spot offerings negligible, business limited to regular accounts. Prices firm.

Soda Metasilicate. — Some sellers falling behind in shipments. Prices display firmness.

Soda Nitrite.—Buying steady. No change occurred in the quotations.

Soda Oxalate.—One seller raised prices ½c. to basis of 9½c. per pound in barrels. Supplies well taken.

Soda Phosphate. — Practically all larger producers adhering to higher prices established by one leading factor. Market position tight.

Soda Pyrophosphate.—Sellers well booked ahead. Prices unchanged and firm.

—*Continued on page* 32

Anhydrous Ammonia Plant Contracts Awarded

OPD Washington Bureau
September 9, 1941

The War Department today announced the awards of a fixed-fee subcontract to the M. W. Kellogg Company of New York for design, construction and equipping of an anhydrous ammonia plant at Sterlington, La. The overall estimated cost of this plant is $6,557,086. The contract announced by the War Department August 14 was awarded to Commercial Solvents Corporation of New York, which will be the operator of the plant upon completion. This plant has been designated by the War Department as the Dixie Ordance Works.

A subcontract covering design, construction and equipping an anhydrous ammonia plant has been awarded to Bechtel-McCone-Parsons Corporation of Los Angeles, Calif. This plant, which will be subsequently operated by the Hercules Powder Company, is estimated to cost $16,073,800.

The War Department announced today additional contracts for ordnance facilities totaling $35,965,999. These contracts have been approved by the Office of Production Management, and are as follows:—

TNT Plant

Contract has been awarded to Stone & Webster Engineering Corporation, New York, for designing, constructing and procuring equipment for a TNT plant in Chattanooga, Tenn., which will be operated by the Hercules Powder Company, Wilmington, Del. It is estimated that this plant will cost $34,245,732, inclusive of the fixed fee to be paid the contractor.

Victor Chemical to Issue 54,000 Common Shares

Victor Chemical Works, Chicago, has announced it had arranged with F. Eberstadt & Co., New York, to underwrite and distribute 54,000 shares of authorized and unissued common stock. Proceeds from the financing will be used to retire long-term bank loan and to provide additional working capital. Following the offer, Victor Chemical will have 750,000 common shares outstanding. A special meeting of stockholders would be called shortly to take action on proposed issuance of the new shares and a registration statement would be filed with Securities Exchange Commission.

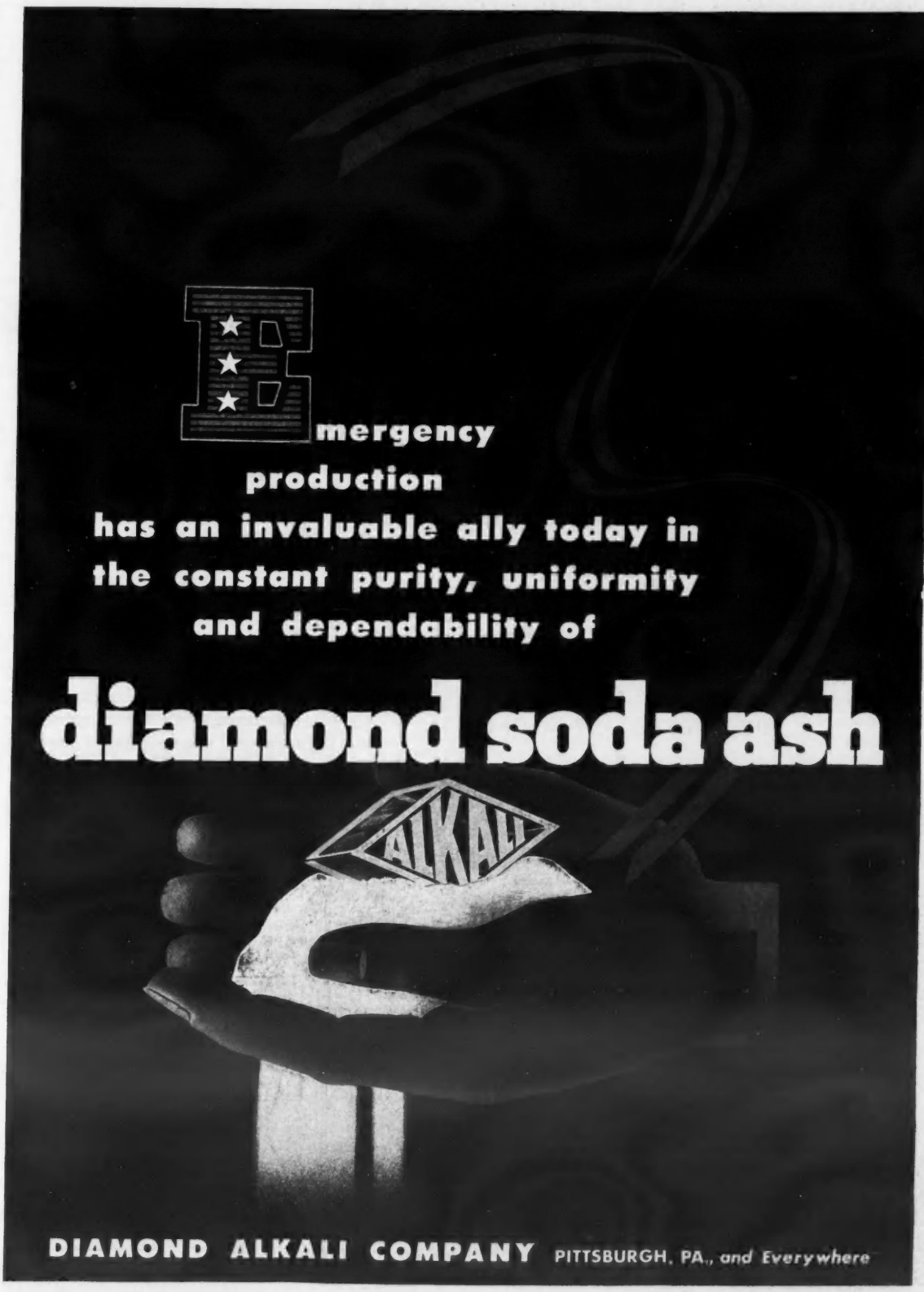
Nitric Acid Tankcar Approval Given by I.C.C.

OPD Washington Bureau
September 10, 1941

The Interstate Commerce Commission has granted the American Car and Foundry Company authority to construct for experimental service five riveted aluminum alloy tankcars to be used in the transportation of 95 percent nitric acid. These tanks are in addition to five previously authorized. The additional tanks must comply with the proposed shipping container specification 103C-AL and the application and drawings are to be filed as an exhibit with the commission.

Wangeman Heads Placement Bureau at Carnegie Tech

Charles E. Wangeman has been appointed head of the Bureau of Placements at Carnegie Institute of Technology. This bureau acts as an employment service for graduating students, night students, and alumni, offers vocational counselling, and maintains the Institute's industrial relations.



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Heavy Chemicals

—Continued from page 31

Soda Silicate.—Shipments moved against contracts at a good pace. Prices lacked change.

Soda Silicofluoride. — Not much available on spot, bookings made well in advance. Prices firm.

Soda Stannate.—Prices firm. Buying remained steady.

Soda Sulphide.—Offerings on restricted basis. Market firm.

Sulphur, Refined.—Prices held the same, while the tone was much firmer as result of higher production costs. Steady movement to commercial channels.

Tetrachlorethylene. — Shortage continues, while prices underwent no change.

Tin Salts.—Prices remain stabilized reflecting the ceiling on the Straits metal. Good inquiry.

Zinc Sulphate.—Shipments moved actively against contracts. Prices were firm.

Acids

A leading producer of oxalic acid advanced prices to provide the price feature to the market last week. This marked the first change since 1932, during that time most of the additional costs were absorbed by larger production. However, in recent weeks labor, transportation and other costs prompted the upward revision. Prices for other acids remained at levels in force previously.

Many of the important mineral acids were on an allocated basis. Defense needs were first, and the remainder was pro rated among regular contract accounts. Sulphuric moved heavily for defense, and sellers were under pressure to make deliveries. Acetic and acetic anhydride were in short supply. Chromic was dominated by ruling on chromium limiting amount available. Formic, muriatic, nitric and phosphoric were in good call.

Acetic. — Business on allocated basis, defense needs taking larger quantities. Prices firm.

Acetic Anhydride. — Shortage continues. Prices failed to change.

Chlorosulphonic. — Prices firm at recently established levels. Demand active.

Chromic. — Business allocated Pricewise a firm tone predominated.

Formic.—Offerings held to regular accounts. Prices unchanged and firm.

Gallic.—Market position tight, and prices held firm.

Hydrofluoric.—Demand steady. No change disclosed in the prices.

Lactic.—Good interest. Prices remain at same levels.

Mixed. — Active inquiry. Market position firm.

Muriatic. — Buying brisk. Market retained its firmness.

Naphtenic.—Bulk of material going directly to consuming channels. Prices nominal.

Nitric.—Expanding defense needs keep market under pressure. Prices rule firm.

Oxalic. — One producer advanced prices ½c. Making carlots 11¼c.; 10,000 pounds or more 11½c. and smaller lots 12½c. to 14½c. per pound. Market continues sold up.

Phosphoric.—Market position tight.

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Sulphuric. — Defense needs exert additional pressure on producers. Movement active against contracts. Prices remain the same and tone held firm.

Baltimore, Sept. 10. — Despite reports of rising prices in many commodities, the market for sulphuric acid, the demand for which has been greatly expanded by defense preparations, is still being supplied by producers under contract at the stipulated figures, which stand nominally at $12 per ton for 60 degree and at $15 per ton for 66 degree acid. Oleum is also scarce and producers talk of being obliged to mark up the nominal price of $17 per ton.

Insecticides

Not much new business developed in the market for agricultural insecticides and fungicides last week. Seasonal declines were to be looked for in most sections, however. Preparations were underway to supply needs of Florida and other Southern States for the coming season. Many consumers may stock up earlier than usual to be supplied for next year in anticipation of bottlenecks that may occur in transportation and supplies later. Price situation underwent no change.

Discovery was announced of a potent chemical killer of the red spider, which has ravaged thousands of acres of fruit orchards, nurseries and home gardens on the Pacific Coast, by the University of California. A spray of phthalic glycerin aklyd resin not only destroyed the red spider, but a small white mite attacking ivy and china asters.

Calcium Arsenate.—Inquiries moderately active. Market retained its firm position.

Lead Arsenate.—Dealings routine. Prices held at same levels.

Paradichlorobenzene. — Steady inquiry, offering usually limited. Prices lacked change.

Magnesium Metal Notes

—Continued from page 3

trolyzed molten carnalite, a double salt of potassium and magnesium found in the potash mines, discarding the electrolytic bath as the magnesium was exhausted. The process was later improved by using a purified form of magnesium chloride and the industry grew, particularly after it was transferred to Bitterfeld which soon became the largest producing unit in the world. At the outbreak of World War I Germany and France possessed the only magnesium plants of which we have any record. The production at that time was probably not over 2,000 tons a year, and no very important structural uses had yet been developed for the metal at the then prevailing prices.

The metal itself, however, had established a place in industry as indictated by tonnage produced. It was used in flashlight powders both industrial and military, as a deoxidizer in some of the metal-casting industries, and as a chemical reagent. The military demands during World War I forced additional production both in England and in America. Of several attempts in America the only one that has persisted up to the outbreak of the present war is that of Dow Chemical Company.

Magnesium Minerals Abundant

Although it is well known that magnesium compounds are widely distributed in the crust of the earth, it being one of the most abundant of the chemical elements, the principal occurrence is in the form of silicate not directly available for the electrolytic process of production which requires a particular form of magnesium chloride. Magnesium is also abundant in the form of dolomite, a double carbonate of lime and magnesium; in magnesite, a carbonate of magnesium; and in brucite, a hydrate of magnesium. All these require more or less complex chemical treatment in order to convert them into a chloride acceptable to the electrolytic process.

Magnesium chloride itself is found in limited quantities in the potash deposits of Germany and a few other scattered localties. It is also found in very small concentration in seawater, but the process of extraction is indirect in that it is separated in the form of hydrate and must be reconverted to chloride. Magnesium chloride is also found in greater or less quantity in various salt lakes and in brines. The problem of separation is much like that from seawater, although the starting concentrations are generally much higher. Magnesium sulphate, or epsom salt, is also found in many mineral springs and brine deposits, but this also involves a complicated conversion process to render it available for the electrolytic cell.

Thus while magnesium is extremely abundant in the world, there are only very limited or localized deposits that can be converted readily to a raw material for magnesium production by the electrolytic method.

This prompted consideration of a method capable of using magnesium carbonate or oxide which is also very abundant in many places in the world, and without the necessity of conversion to chloride. In 1929 a small pilot plant was erected in Austria to attempt the direct reduction of magnesium oxide or burned magnesite to magnesium metal. There are inexhaustible deposits of high-grade magnesite in southern Austria which give abundant reason for attempting to utilize this material in the metal industry.

Metallurgical Applications

Between the World War I and the present time the Germans and the French magnesium producers engaged in active research for utilization of this light metal. Since about 1900 it was recognized that it conferred valuable properties to alloys when mixed with aluminum. At a somewhat later date it was also discovered that aluminum was a valuable alloying agent with magnesium improving greatly the character of service that the lighter magnesium could furnish to industry. Thus for more than thirty years there were two series of alloys recognized as offering considerable promise, the one carrying over 90 percent aluminum and the other over 90 percent magnesium. There are also a number of alloys with metals other than aluminum to which small additions of magnesium improved greatly the physical characteristics.

However, in spite of these advances in the metallurgical art, the production of magnesium remained a relatively small factor in industry. While magnesium has a specific gravity of 1.75, whereas aluminum is 2,70, that is magnesium weighs only about two-thirds as much as aluminum, magnesium is not so strong as aluminum and has a particularly low yield-point. However, by alloying with small amounts of aluminum and several other elements in very small quantity this strength can be increased greatly at relatively little sacrifice of weight advantage. The German group in particular was active in the development of these alloys in the hopes that they would greatly increase the use of a metal in which Germany was in a particularly fortunate position with respect to raw materials. Nevertheless, in spite of the enormous amounts of work, the consumption of magnesium up until quite recent times even in Germany was relatively small, only 5,000 or 6,000 tons a year.

Economic Factors

The French production probably never exceeded 2,000 tons a year and the American production had grown to only about 3,000 tons in the first twenty years of existence of the one representative plant. There are several reasons for this slow development. The cost of production is slightly higher than that for aluminum, probably because of the complex processes of preparing the raw material for the electrolytic process. Many alloys of aluminum not requiring magnesium have equal or better physical properties. There are certain difficulties with corrosion inherent with magnesium alloys that have not as yet been completely solved. The economic position of magnesium is, therefore, not nearly so assured as that of aluminum, and until magnesium sells at a price on a pound for pound basis, practically equal with that of aluminum, it will be difficult to find a comparable place in industry other than the aeronautic field.

The Austrian process using a much cheaper raw material but involving an expensive plant has not yet had the benefit of sufficient exploitation to determine whether it may offer the possibility of a decided cheapening of the metal. The raw materials are abundant in many parts of the world or may be prepared relatively easily from the several sources not available to the chloride process, where low cost is the prime consideration. This process is sound chemically and with more plants gradually coming into existence opportunity will be given for improvement and development, and over a period of years it should give an excellent account of itself. The operating problem is no more serious than is experienced daily in many other industries and the general history of industries of this type is that they gradually work themselves out and in a relatively few years are matters of history. Perhaps this offers the greatest possibility of economically competing with aluminum.

Processes and Patents

There are many angles to magnesium production that might be discussed, a few of which will be touched upon here. The general principle of the electrolytic process was set forth in detail nearly ninety years ago. It has been in commercial production more than fifty years and can be looked upon as an open art. Whatever patents of primary nature that existed have long since expired, and the patent protection, therefore, is essentially of secondary character. The treatment of magnesium chloride before introduction into the cell has been pretty well publicized over the past forty years and primary patent protection on the principles involved of dehydrating the chloride by the use of chlorine, hydrochloric acid, ammonium chloride, can no longer be effective. Any patents on this phase are also of secondary character. The conversion of oxide salts to chlorides is largely the same story; several methods have long since been public property and any patent protection must be of secondary character.

The relatively few plants throughout the world afford no great supply of technical skill and operating knowledge. There are no journeymen in the industry. It must be recognized, therefore, that detail of modern design and of operation is not common property and relatively difficult to procure. However, there are parallel industries which can be drawn upon for material assistance, and the art has never been exactly a closed book.

The Austrian process, however, is comparatively new, represented also in very few units, one of which was recently opened in California. Fundamental or basic patent protection is still in existence so far as it can go, for the basic reactions are not patentable, and within a comparatively few years this art also will have to rest upon secondary protection.

The field of alloys is infinitely great, and while there has been much detailed publication and many expired patents, there are still a number in force, some of which are important. The Germans were pioneers, both in production and in utilization and naturally possessed the vast majority of patents, many of which, of course, have expired.

Supply and Potential Demand

The great magnesium-producing nation of today is Germany, with a capacity estimated at about 25,000 to 30,000 tons a year; it may even exceed this output for there is no good information later than 1940. The British have two plants, with a production relatively small compared with the German output; they have drawn heavily upon the American stocks. The Japanese have an unknown production in at least two plants, probably of the order of between 5,000 and 10,000 tons a year. French production is unknown, but is relatively small.

American production at the outbreak of the war in 1939 was less than 5,000 tons a year, and there were important stocks that had accumulated awaiting a market, illustrating the relatively minor importance of this material in peace-time activity. Prices had dropped steadily in America until they reached 27 cents per pound, which was practically equivalent to aluminum on a volume basis.

As to the future of magnesium that is not easy to predict. It will lie very largely in additional improvement of certain physical properties of the important alloys and in the development of aeronautics, the difference in weight between the high-magnesium alloys and the aluminum alloys counter-balanced by somewhat lower physical properties make these magnesium alloys most valuable where lightness will bear the greatest premium. On a straight strength-for-strength basis this difference is not great. Aeronautics will pay more for this difference than will any other means of transportation, but with steady improvement in aluminum alloys there is a decided burden on the magnesium industry to overtake its older and more highly developed sister.

A very large part of the defense program for magnesium production has nothing whatsoever to do with industrial aeronautics and must in no sense be taken as a measure of the aviation industrial requirements. Light metal alloys are going to play an increasingly important part in transportation, but the present trend is still toward the aluminum base materials. It is probable, therefore, that aluminum will have a larger impetus in the defense program than magnesium.

Monsanto Offers New Antioxidant Product

Commercial availability for the first time of 2:3-hydroxymethoxybenzaldehyde is announced by the organic chemicals division of the Monsanto Chemical Company, St. Louis.

The compound undergoes the usual aldehyde reactions and suggests possible uses as an antioxidant and as an intermediate in chemical synthesis. The material is a yellowish crystalline solid having a crystallizing point of 40.0° C. At 50° C. it has a density of 1.20, which is the equivalent of 10.0 pounds per gallon.

Two other new products announced by Monsanto which are of interest as chemical intermediates are 2,3-dimethoxybenzaldehyde (orthoveratraldehyde), and 2,2'-diaminodiphenyldisulfide. These are at present available only in experimental quantities, although the possibility of commercial production is anticipated.

At room temperature 2,3-dimethoxybenzaldehyde is a yellowish brown fused crystalline solid. It has a crystallizing point of 47.5° C. and is almost completely soluble in sodium bisulfite. Specific gravity is 1.117 at 60° C., equivalent to approximately 9.3 pounds per gallon. Its chemical characteristics are similar to those of 2,3-hydroxymethoxybenzaldehyde and it indicates possible use as a perfume fixative as well as intermediate. 2,2'-diaminodiphenyldisulfide is a powder of greenish yellow color. It melts between 86° C. and 93° C., and has a molecular weight of 288.

Estradiol Decision Reversed

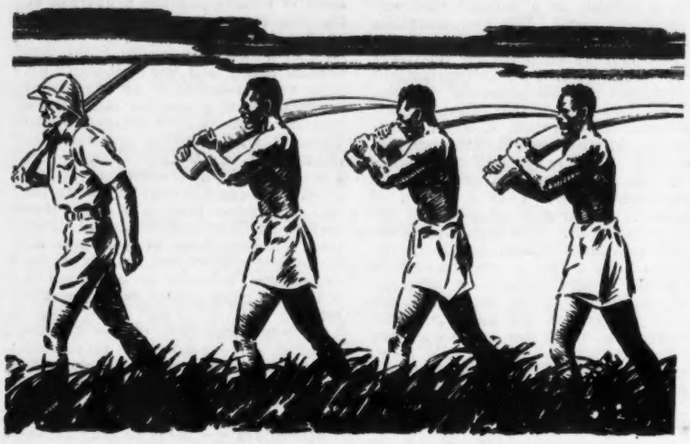
The United States Circuit Court of Appeals has reversed a decision of the District Court of New Jersey which dismissed the complaint in an action brought by The Treemond Company, Brooklyn, against Schering Corporation, Bloomfield, N. J., to declare the Schering Corporation's patent for manufacture and sale of estradiol invalid or not infringed by Treemond.

The basis of the suit was that the Schering Corporation had inserted a paid advertisement in a trade publication in which advertisement, the plaintiff contended that Schering declared that it alone had letters patent for estradiol, and that any use of this substance without its consent was a violation of the patent. The Treemond Company instituted suit, claiming that it could market and sell estradiol, and that it was not estopped from or prevented by the Schering patent.

The District Court of New Jersey dismissed the complaint on the ground that the Schering advertisement did not constitute a threat to the trade to prosecute for any purchases of estradiol from others than Schering or its licensees.

E. V. Fraenkel has resigned as president of Frederick Stearns & Co., pharmaceutical manufacturer, Detroit.

TO THE SUDAN FOR IVORY...



TO BARRETT FOR COAL-TAR CHEMICALS

PHENOL
CRESOLS
CRESYLIC ACIDS
XYLENOLS
TAR ACID OILS
NAPHTHALENE
(Industrial and household)
PHTHALIC ANHYDRIDE
CUMAR*
(Paracoumarone-Indene Resin)
RUBBER COMPOUNDING MATERIALS
COAL-TAR BASES
(Pyridine, Quinoline, Picolines, etc.)
PICKLING INHIBITORS
BENZOL
TOLUOL
XYLOL
SOLVENT NAPHTHA
HI-FLASH SOLVENT
FLOTATION REAGENTS
ANHYDROUS AMMONIA
HYDROGENATED COAL-TAR CHEMICALS
Cyclohexane 98-100%
Methylcyclohexane 98-100%
Cyclohexanol 98-100%
Methylcyclohexanol 98-100%
Cyclohexanone 98-100%
Methylcyclohexanone 98-100%

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Coaltar Chemicals

Defense Orders Continue to Govern Dealings in Many Chemicals —Phthalic Anhydride and Phenols Influenced by Priorities —Steel Operations in August at New All Time High Level

Business in the market for most coaltar chemicals continued to be governed by defense orders. No new mandatory priorities appeared, however. The general regulation governing defense business gave preference to all such orders. In specific items, such as phthalic anhydride, tar acids and intermediates, it was necessary to allocate available supplies among regular consuming trade. While contract prices come up for consideration at this time, no definite word was forthcoming, with some producers able to adjust contracts at the end of the month if conditions warrant. Quotations for various grades of petroleum cresylic acid were advanced.

The situation in phthalic anhydride remained nearly the same, but some producers have been able to increase production sufficiently to permit a broader allocation to contract consumers than previously. Phenols now under mandatory priority were influenced by the large number of priority orders, together with increased government buying. Cresylic acids were well booked ahead, and it was very difficult to locate any material in the spot market. Cresols were in a similar position. A firm situation prevailed in naphthalene. A greater demand for toluol in direct defense work was felt, with mandatory priority now in effect. Benzol met with a heavy demand from various consuming channels, while xylol remained in a tight position.

Steel operations last week were scheduled at 96.6 percent of capacity, according to the American Iron & Steel Institute. Steel production in August totaled 7,000,957 tons, the best August on record. This compares with 6,821,682 tons produced in July. August output was at the rate of 95.7 percent of capacity. Output for the first eight months of 1941 totaled 54,731,182 tons, a gain of 32 percent over the same period a year ago and 24 percent ahead of the previous record output in 1929.

Price Changes

Advanced

Cresylic acid (petroleum), 3c. to 4c. per gal.

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.7	127.7	127.7	127.1

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—Demand steady. Prices remain unchanged and tone held firm.

Carbazole.—Usual consumers provided a satisfactory inquiry to keep market in firm position.

Coaltar.—Shipments of crude and refined moved steadily. Prices experienced no change.

Creosote Oil.—A firm price tone characterized the market. Consumers made replacements steadily.

Cresols.—Supplies scarce, and business usually allocated among regular contract consumers. Prices rule firm.

Cresylic Acid.—Prices for petroleum cresylic up 3c. to 4c. per gallon making high boil, drums, works, 61c. to 63c. per gallon and tanks, delivered, 58c. per gallon; medium boil, drums, works, 67c. to 69c. per gallon and tanks, delivered, 64c. per gallon. Domestic coaltar acids firm, and well booked ahead against contracts. Limited offerings of imported $1.50 per gallon.

Naphthalene.—Refined and crude in tight position, offerings restricted as a rule. Prices unchanged and tone remains firm.

Phenols.—Direct government buying and priorities for defense work keep market in sold up position. Prices remain the same and tone firm.

Pitch, Coaltar.—Usual consumers entered market for steady replacements against contracts. Prices held firm.

Tar Acid Oils.—Market in tight position, offerings limited. Prices held the same.

Toluol.—Bulk of material continues to move for defense purposes. Prices display a firm tone.

Xylol.—Market retained its tightness, and prices lacked any change.

Chicago.—Strong market conditions continue to be noted in most grades of coaltar bases. Material in some cases is growing scarcer. Benzol has been subject to continuing heavy demand. Other items are offered in limited amounts, in most cases. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8c. to 9c.; toluol, 27c.; 10-degree xylol, 26c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Pyridin

A relatively good market position prevailed for various grades of pyridin. While no direct government buying was evident, the material found wide use in processing drugs and pharmaceuticals including such important items as nicotinic acid and sulphapyridin. Consequently, its contribution to the health of the nation, places it as an important defense material.

Statistics compiled by the Tariff Commission placed 1940 production of crude and refined pyridin at 241,075 gallons compared with 217,517 gallons in the preceding year. Demand for sulphapyridin prompted a leading producer of coal tar chemicals to expand plant facilities in the latter part of 1939 to provide for larger output of pryidin. During 1940 production of sulphapyridin amounted to 80,601 pounds. Present output appears adequate to take care of all domestic requirements.

A firm price tone prevailed for the refined grades of pyridin. Quotations for the two degree material remained at 48c. per pound. At the start of the war it was quoted at 50c. per pound. The denaturing grade was $1.63 per gallon as compared with $1.71 per gallon currently.

Hydrogenated Solvents

Cyclohexane.—Prices firm. Shipments remained steady.

Cyclohexanone.—Business well sustained and tone held firm.

Methylcyclohexanol.—Demand moderately active. Prices experienced no change.

Coaltar Acids

Anthranilic.—Market position firm. Offerings well absorbed.

Benzoic.—Shipments well sustained to regular consumers. Prices firm.

Broenner's.—Call moderate and prices were without alteration.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Cleve's.—A good inquiry came from regular sources to keep market firm.

H.—Market a routine affair. Price-wise a firm tone prevailed.

Maleic.—Market position tight and business remained brisk.

Malic.—Purchases moderately active. Prices failed to change.

Picramic.—Consumers made satisfactory replacements. Prices unaltered.

Picric.—Defense needs absorb output. Prices remained the same.

Salicylic.—Technical grades moved well. Prices rule firm.

Succinic.—Usual consumers entered market steadily. Prices lacked change.

Sulphanilic. — Withdrawals steady against contracts. Prices rule firm.

Tobias.—Market strong and buying active. Prices held the same.

Other Intermediates

Alphanaphtol.—Market firm. Demand steady with offerings limited to regular channels.

Anilin. — Short situation remains prevalent. Prices unchanged and firm.

Anthraquinone.—A steady inquiry kept market in firm position.

Benzaldehyde.—A good demand prevailed for technical grades. Prices firm.

Benzidin Base.—Good inquiry, with selling usually restricted. Prices without change.

Betanaphthol.—Tight position continued, selling limited. Prices unchanged.

Betanaphthylamine.—Brisk inquiry. Market retained its firmness.

Dimethylanilin.—Buying active, and market position firm.

Dinitrobenzene.—Business restricted to usual channels for normal needs.

Dinitrochlorobenzene.—Tight situation prevalent, and selling restricted. Prices without change.

Dinitronaphthalene.—Steady demand from regular sources. Prices the same.

Dinitrophenol. — Prices unchanged and firm, while business held steady.

Dinitrotoluene.—Market well sold ahead, and tone firm.

—*Continued on page* 36

Salesmen With Nothing to Sell

—*Continued from page* 3

buyer, even so far as to incur the wrath of his sales manager, and those birds who took advantage of the P. A.'s present predicament and are still rubbing it in.

Yes, there is much the salesman can do today that he apparently didn't have time to do before. I set them up as follows:—

a. A continued contact of his old customers—a good-will call, if you please. This emergency will be over and then—I do want your business back.

b. A study of a proper and beneficial substitution where a complete stoppage or curtailment of a certain commodity has been made. Many shrewd buyers have learned to lean heavily on a smart salesman and we still expect them to assist us materially in suggestions and recommendations.

c. Salesmen for manufacturing plant, if conditions develop to such straits, can be taken into the plant and learn more about the product which they sell. Likewise a jobbing salesman can develop his knowledge by learning more of the products he sells.

d. And, if worst came to worst, they can spend each Monday at the desk of a purchasing agent and learn first hand what the poor buyer is going through now.

F.J. Hines

Purchasing Agent

Gillette Safety Razor Company

Boston

In my humble opinion salesmen are just as necessary now as they ever have been. As a matter of fact, I believe salesmen during the present national emergency can continue to carry on an unlimited amount of missionary and good-will contact work, which will probably go a long way toward definitely establishing the facilities of the company they represent; which beyond any doubt will bear an enormous amount of fruit after the present situation is ended. The particular type of work the salesman can carry on during these trying times is work that he not always had the time to do, due to his actually paying more attention to his active accounts, and at the same time missionary and good-will work is always an expensive item to any organization, and can now be done with a minimum amount of cost.

Most of our connections are having their salesmen continue the periodical calls, and are doing considerable in assisting us in many ways, when help from anyone is needed, now more than ever before.

Under any circumstances, organizations should see fit to keep their key men upon whom they must depend until this situation is over, despite the expense and lack of possibilities of sales. These men should either be permitted to circulate through the trade or should be placed in capacities inside, where their efforts can be put to some use, and at the same time acquire an insight into the inner workings of their organization and their product, which, if I may be permitted to say, is sometimes sadly lacking.

In closing, I might again say in an attempt to emphasize, or to be emphatic, salesmen should be permitted and encouraged to continue their regular calls on the trade to assist in whatever way they possibly can the buyer or the purchasing agent, whichever the case may be, who is beyond any doubt taxed beyond capacity.

L.D. Wooding

Purchasing Agent

United Farmers' Cooperative Creamery Association

Charlestown, Mass.

During the past several years, we have had a great many salesmen call on us with nothing to sell but service or advice. This type of representative is more urgently needed today than ever before, as it is almost impossible to draw definite conclusions from trade papers, radio commentators, etc. We must depend upon men close to the various elements of procurement requirements to furnish us with up-to-date, first-hand information on just what is happening in respect to their particular commodity.

Why increase the unemployment situation by turning out into a cold world men who have given satisfactory service during the past years, merely because they have nothing tangible to sell? Keep them on the force by all means. Purchasing men are only too anxious and willing to talk with them. as through them, we can be in continued contact with their company.

This continued contact will be of decided value to the manufacturers or suppliers who intend to carry on after the defense requirements begin to ease up.

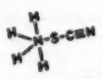
Keep 'em calling!

Technical Aids Wanted By U.S. Government

An examination has just been announced by the Civil Service Commission to recruit technical and scientific aids for various Government agencies. Men and women are needed to do research and testing in explosives, chemistry, physics, metallurgy, and fuels. The jobs pay from $1,440 to $2,000 a year. No written test will be given to applicants. Application forms may be obtained from the Civil Service Commission's representative at any first or second-class post office, from the U. S. Civil Service Commission in Washington, or from any one of the commission's district offices.

Anchor Paper Manufacturing Company has been incorporated in Los Angeles with 2,500 shares of no par value capital stock. The new corporation is represented by W. De F. Mann, 1100 Title Guarantee building, Los Angeles.

AMMONIUM THIOCYANATE



NH_4SCN

Properties of Pure Compound:

Molecular Weight 76.11
Melting Point ..... 150°C.
Boiling Point, decomposes about ..... 170°C.
Specific Gravity at 20°/4°C. 1.305
State: White, deliquescent crystals.
Solubility: Soluble in water, alcohol and acetone.

Uses: Ammonium thiocyanate undergoes rearrangement when heated under various conditions and yields thiourea and guanidine thiocyanate.

Aqueous solutions of ammonium thiocyanate have a swelling action on cellulosic and animal fibers and have been used to improve the affinity of textile fibers for dyestuffs. NH_4SCN has been used extensively in the finishing trade in the application of indigosol and algosol colors by the thiocyanate-chromate steaming method. It has been used as an inhibitor to protect the shades of certain sensitive dyestuffs from the action of copper in dyeing equipment.

It may be used as a raw material for the production of resinous condensation products upon reaction with formaldehyde. Derivatives have been used as accelerators in the production of urea-formaldehyde resins.

The thiocyano group is incorporated in many types of organic compounds to make products having powerful insecticidal properties.

In the metal finishing industry thiocyanates are used in the production of "black nickel" coatings. Its corrosive action on iron is utilized in pickling compositions.

Lubricating compositions have been prepared making use of thiocyanates for their special properties.

The application of ammonium thiocyanate for the destruction of weeds has proven a highly effective and economical measure. It is used also for control of potato wart infestation. Employment of thiocyanate solutions has hastened the reddening of apples. Stimulation of plant growth has resulted from certain treatments.

Can you use

Ammonium Thiocyanate

(Ammonium Sulfocyanide)

at substantially lower cost?

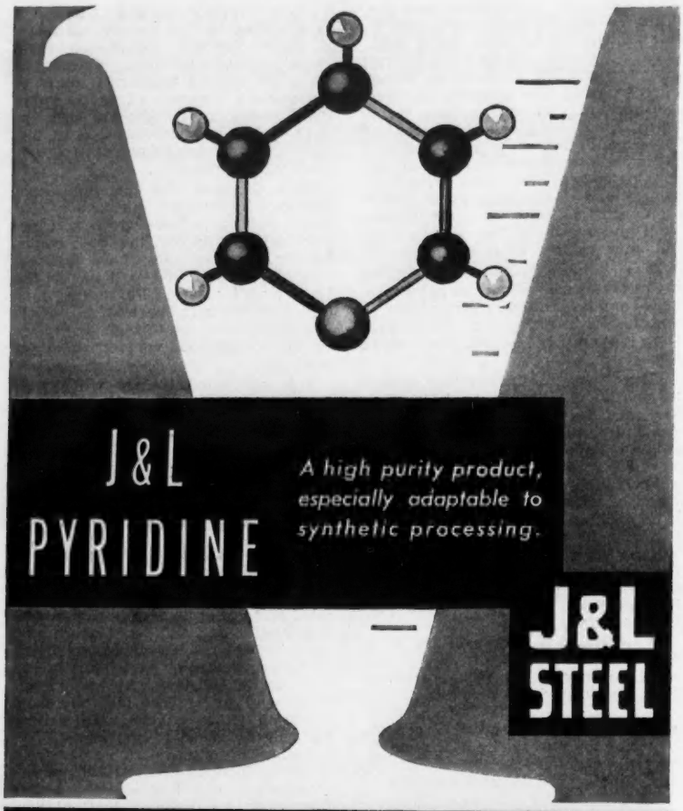
Koppers has placed in operation a large commercial plant for the production of ammonium thiocyanate crystals. Supplies are now available in quantities not obtainable before and at costs which make ammonium thiocyanate practical for purposes for which it has not been used in the past.

Chemists and Manufacturers who have previously investigated the possibilities of Ammonium Thiocyanate should reconsider its use in view of this increased supply and reduced cost.

Koppers Ammonium Thiocyanate can be supplied in crystal form, having minimum purity of 95% . . . or as crude liquor, containing equivalent of 2½ to 3 pounds of crystals per gallon.

Samples, quotations and further information on request.

KOPPERS COMPANY
TAR AND CHEMICAL DIVISION
PITTSBURGH, PENNSYLVANIA



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SULPHATE OF AMMONIA

JONES & LAUGHLIN STEEL CORPORATION

AMERICAN IRON AND STEEL WORKS · PITTSBURGH, PA.

Coaltar Chemicals

Other Intermediates

—*Continued from page* 35

Diphenyl.—Shipments moved steadily. Prices underwent no change.

G. Salt.—Market a routine affair. No change disclosed in the prices.

Metanitroparatoluidin. — Demand sufficient to take available supplies. Prices remain firm.

Monochlorobenzene.—Defense needs factor in absorbing supplies. Prices rule firm.

Nitrobenzene. — Shipments moved steadily against contracts, while tone was firm.

Nitronaphthalene. — Good inquiry, with offerings usually limited. Prices unaltered.

Orthoanisidin.—Withdrawals steady. Prices unchanged and firm.

Orthochloroanilin. — Buying good, with shipments limited to normal needs.

Orthochlorophenol.—Business moved steadily, with market position firm.

Orthocresol.—Business usually allocated among regular consuming trade. Prices firm.

Orthodichlorobenzene.—A good inquiry prevailed. However, offerings were restricted. Prices firm.

Orthonitrotoluene. — Business confined to regular accounts. Prices without change.

Parachlorophenol.—Purchases held at satisfactory levels. Prices underwent no change.

Paranisidin.—Demand steady. Prices failed to change.

Paranitroanilin.—Inquiries well sustained. Quotations held firm.

Paranitrophenol.—A good replacement demand prevailed to keep market in firm position.

Paranitrotoluidin. — Active demand. Market displayed firmness.

Phthalic Anhydride. — Shortage remains, and sellers allocating supplies among regular consumers. Prices without change.

R. Salt. — Transactions routine. Prices failed to change.

Thiocarbanilide.—Shipments moved at a steady pace. Prices held at same levels.

Toluidin.—Business held at good levels, while prices continued the same.

Xylidin. — Shipments moved at a good pace against contracts. Prices underwent no change.

Coaltar Colors

A brisk buying movement continued in the market for coaltar colors last week. Shipments were running behind in some colors because of the difficulty in obtaining adequate raw materials that were diverted for direct defense needs. However, in a majority of instances, sellers continued to make shipments steadily to regular consuming channels. Prices remaining firm.

Imports of dyes into Turkey increased 40 percent in quantities to 195,623 kilograms during the first four months of 1941 as compared with 139,561 kilograms in the corresponding period a year ago. Imports came chiefly from the United Kingdom and were sufficient to maintain textile operations, although it was believed that stocks were not large. Throughout most of 1940 no dyes were imported from Germany but toward the end of the year, some German dyes were said to have been received. During the period British, French and American dyes were imported in place of German dyes. Exports of dyes from the United States to Turkey amounted to 45,180 pounds more than three times the amount shipped in three preceding years.

Nitration of Benzene Without Sulphuric Acid

The tremendous quantities of high explosives which are being produced in the country today have re-awakened an interest in the production of many of these materials which has lain dormant since the first World War. The report for the American Chemical Society was prepared by D. F. Othmer, J. J. Jacobs, and J. F. Levy, of Polytechnic Institute of Brooklyn.

By far the most important high explosive is trinitrotoluene. This is made by treating batches of toluene with nitric acid and large quantities of sulphuric acid. A new process has been developed so far has been carried out completely only with benezene, the closest relative of toluene; but which has been used also to give the dinitrotoluene. The same method can, with modifications, also be used for the full nitration of toluene.

In this method, the necessity for using sulphuric acid is eliminated. This is of decided advantage since two parts of sulphuric acid for every part of nitric acid are needed under present methods. This is accomplished by carrying out the reaction in a distilling column. Since the process is operated continuously, that is, without intermittent handling, the capacity of any given piece of equipment is greater because it can be used twenty-four hours a day. Another major improvement is the elimination of the necessity of recovering the sulphuric acid for reuse.

This new method may also be of help to petroleum technologists since it enables them to treat directly the toluene which is produced from mineral oils. Using present methods of nitration, expensive washing and distilling operations are necessary to recover toluene of high enough purity to be used. This new process will permit the use of impure solutions and will consequently reduce ultimate costs.

Robert Joseph, Inc., chemical products, this city, has changed its name to Ferrotar Corporation.

Republic Steel Corporation has purchased ninety-one acres in vicinity of South Chicago for construction of a plant.

HOOKER
Paradichlorbenzene
HOOKER
ELECTROCHEMICAL
COMPANY
Niagara Falls, N.Y.

REPUBLIC
CRUDE
NAPHTHALENE

REPUBLIC STEEL
REG. U.S. PAT. OFF.

ALSO

BENZOLS
1°—2°—90% - Motor

TOLUOLS
Nitration-Commercial

XYLOLS
3°—5°—10°—Commercial

SOLVENT NAPHTHA • AMMONIUM SULPHATE

Specify Niles Steel Containers for your Packaged Items

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Low Temperature Carbonisation, Ltd.
ENGLAND

Largest manufacturers in the World of low temperature tar acids of the highest possible degree of purity and efficiency.

A considerable proportion of the output is already being exported to North and South America for disinfectants, germicidal products and plastics, in addition to the special high efficiency flotation grade for the mining industry.

This is the first time in history that highly refined tar acids of this type have been made available on a large scale, and remarkably good results are being obtained by our many American buyers.

Please send us a note of your requirements with full particulars to our Sales Agents:—

TAR RESIDUALS, LTD., "Garthlands," Reigate Heath, SURREY, ENGLAND

Dyestuffs, Textile and Leather Chemicals

Contract and Spot Prices for Yellow Soda Prussiate Higher —Domestic and Imported Egg Products Continue to Advance —Dyewood Crystal and Extract Contract Prices Raised

One producer advanced spot contract prices for yellow soda prussiate to provide the outsanding price development in the market for dyestuffs, textile and leather chemicals last week. Contract prices will be affected October 1 and spot immediately. One factor raised fourth-quarter prices for fustic, hematine, hypernic, logwood, osage orange and quercitron. It was understood that quotations for bichromates would remain firm for the final quarter. Another upward swing took place in egg products, with domestic albumen up sharply and moderate advances made for domestic and imported egg yolk. Prices for tapioca flour were revised downward.

Demand held at favorable levels in the majority of items last week. Defense buying entered into the picture indirectly from the leather and textile trade. Seasonal factors and irregularities in shipping slowed down volume in many imported materials. Direct government buying was still a factor, especially in dried egg products and some of the starches.

Leather production in terms of hides amounted to 2,369,000 skins in July, compared with 1,540,000 a year ago, according to the Tanners Council. Leather consumption totaled 2,600,000 skins, against 1,669, 000 in July a year ago.

Chemicals

Alumina Acetate.—Offerings well taken, and market in firm position.

Potash Bichromate. — Indications were that prices will remain firm for the fourth quarter. Business continued on an allocated basis.

Potash Prussiate.—Prices unchanged and firm. Demand steady.

Soda Bichromate.—A firm tone prevailed, wtith prices likely to be extended into the fourth quarter. Shipments limited to regular accounts for normal needs.

Soda Prussiate.—Spot prices advanced ½c. immediately and contracts October 1 by one leading factor, making 10,000 pounds 10c. and smaller lots 11c. per pound. Spot prices 1c. higher. Shipments well sustained.

Price Changes

Advanced

Albumen, blood, light, 5c. per lb.
egg, dom., 10c. per lb.
Egg yolk, dom., 2c. per lb.
imported, 3c. per lb.
Fustic, cryst., 2c. per lb.
extract, 1c. per lb.
Hematine, cryst., 2c. per lb.
extract, 1c. per lb.
Hypernic, cryst., 2c. per lb.
extract, 1c. per lb.
Logwood, cryst., 2c. per lb.
extract, 1c. per lb.
Osage orange, cryst., 2c. per lb.
extract, 1c. per lb.
Quercitron, cryst., 2c. per lb.
extract, 1c. per lb.
Soda prussiate, yellow, ½c. per lb.

Reduced

Tapioca flour, ¾c. per lb.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
244.3	235.9	232.6	144.6

Market news that may have developed after this report was sent to press will be found on page 4.

Turmeric

Irregularities in shipments from the Far East limited spot offerings of turmeric. Most sellers were providing regular consumers to the best of their ability. Arrivals from India have been late this year, the first arrivals usually reach here in February, but this year were delayed until March. It is understood at this late date that at least two shipments are on the water. Uses for turmeric have declined somewhat in recent years, formerly used in sizable quantities by the textile and paper trade for dyeing, this business has dropped off considerably. It is still used in spices.

Most of the turmeric comes from the Alleppey and Madras sections of India with a little material exported from Haiti. Average annual production in India was estimated at a little over 100,000 long tons. The crop is planted in May and June and harvested the following January or February. The marketing season is from February to May. Export trade in 1940 was adversely affected by the war and in the second half totaled 18,570,000 pounds, of which 1,168,000 pounds was shipped to this country. In January and February of this year only 11,200 pounds of whole turmeric and 22,904 pounds of powdered was shipped here.

Prices increased steadily since the war when the Alleppey was quoted at 6c. to 6½c. per pound and the Madras 6¾c. to 7c. per pound. Currently prices for the Alleppey range from 8¾c. to 9¼c. per pound and the Madras from 7½c. to 8c. per pound. Most of the advance represents higher freight rates and war risk insurance.

Dyestuffs

Fustic.—Prices advanced 2c. for crystals making No. 1, 32c.; No. 2, 30c., and No. 3, 28c. per pound. Extract 1c. higher with No. 1, 16c.; No. 2, 15c., and No. 3, 12½c. per pound.

Hypernic.—Crystals 2c. higher with No. 1, 42c., and No. 2, 34c. per pound; extracts up 1c. making No. 1, 24c., and No. 2, 19c. per pound.

Logwood.—Prices for crystal raised 2c. at 28c. for No. 1 and No. 2, 26c. per pound. Extract up 1c. making No. 1, 14c.; No. 2, 13c.; No. 3, 12½c., and No. 4, 10c. per pound.

Sizing Materials

Albumen, Blood.—As announced late preceding period light material advanced 5c., ranging from 65c. to 75c. per pound. Defense needs taking sizeable quantities.

Albumen, Egg.—Domestic quotations 10c. higher making crystals $1.70 to $1.75 per pound. Market position tight. During week ended September 6, agricultural department announced purchase of 1,297,700 pounds of dried eggs.

Egg Yolk.—Domestic prices up 2c. and imported 3c. per pound. Domestic ranged from 92c. to 95c. per pound, and imported 83c. to 85c. per pound. Steady inquiry.

Starch, Corn.—Replacements made at a good pace to keep market firm. Corn grind during August totaled 8,622,847 bushels, against 7,850,233 in July and 5,450,391 bushels August a year ago, according to the Corn Industries Research Foundation.

Tapioca Flour.—Prices lowered ¾c., ranging from 4½c. to 6½c. per pound. Replacements irregular.

Tanning Materials

Chestnut Bark.—Steady volume of business passed against contracts. Prices unchanged.

Hemlock.—Good movement against contracts. Prices were unaltered.

Hematine.—Crystals 2c. higher ranging from 24c. to 34c. per pound; paste up 1c. at 12½c. to 14½c. per pound.

Mangrove Bark.—Demand steady. No change disclosed in the prices.

Oakbark.—Buying held steady. A firm tone prevailed.

Osage Orange.—Quotations up 2c. for crystals at 23c. per pound; extract 1c. higher making No. 1 11c. and No. 2, 10c. per pound.

Quercitron.—Crystals advanced 2c. at 26c. per pound. Extract 1c. higher making No. 1, 10c.; No. 2, 9½c., and No. 3, 18c. per pound.

Wattle Bark.—Prices held the same, while purchases were fairly steady.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Association meetings:—
American Ass'n Textile Chemists and Colorists, Oct. 31-Nov. 1, Pinehurst, N. C.

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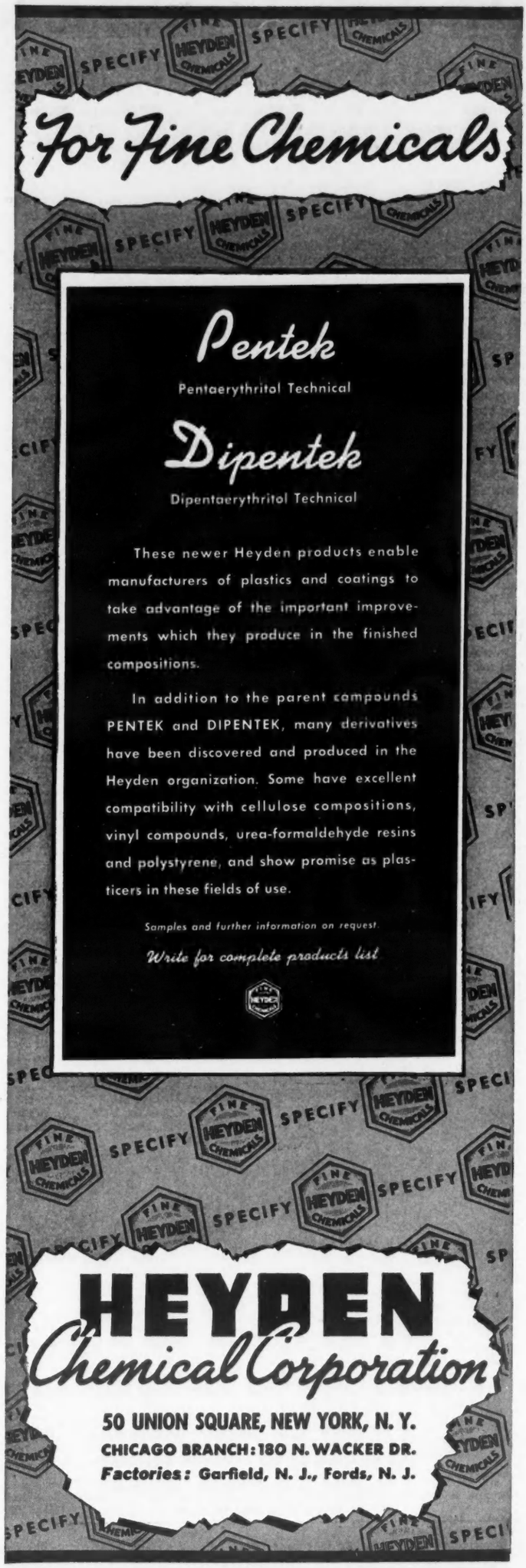
Plastics

Plasticizers for Plastics

(Continued from September 8 issue)

Diethyleneglycol lactate
Diethyleneglycol tartrate
Diethylsulphodimethylmethane
Diethylsulphomethylethylmethane
Diethylsulphone
Diethylurea
Diglycerol
Diheptylsulphone
Dihydroxybenzene
Dihydroxydinaphthyl ketone
Dihydroxydiphenyl sulphonate
Dihydroxydiphenylsulphone
Di-isoamylethylsulphone
Di-isoamylsulphone
Di-isobutyl phthalate
Di-isobutylsulphone
Di-iso-normal-butylsulphone
Di-isopropylsulphone
Dimethyl adipate
Dimethyl phthalate
Dimethylaminobetacoumarin
Dimethylanilin
Dimethylcyclohexanol oxalate
Dimethylcyclohexylcarboxylic acid
2:4-Dimethyldimethylene dioxide
Dimethylphenyl carbamide
Dimethylsulphone
Dimethylurea
Dinaphthyl amylphosphate
Dinaphthyl carbonate
Dinaphthyl ketone
Dinaphthylphosphoric acid amylester
Dinaphthylphosphoric acid methylester
Dinaphthylphosphoric anilide
Dinitrobenzene
Dinitrodiphenylethane
Dinitrotoluene
Dinitroxylene
Di-normal-propylsulphone
Dioxydiphenyldiethylmethane
Dioxydiphenyldimethylmetane
Dioxydiphenylethylmethylmethane
Dioxynaphthol ketone
Diparasulpho-2:7-dioxynaphthalene
Diphenyl, chlorinated
Diphenyl carbonate
Diphenyl cresylphosphate
Diphenyl ether
Diphenyl ethylphosphate
Diphenyl oxide
Diphenyl phthalate
Diphenylamine
Diphenylbenzidin
Diphenylethane
Diphenylglyceryl ether
Diphenylmethane
Diphenylphosphoric acid amylester
Diphenylphosphoric acid cresylanilide
Diphenylphosphoric acid cresylester
Diphenylphosphoric acid ethylanilide
Diphenylphosphoric acid ethylester
Diphenylphosphoric acid methylanilide
Diphenylphosphoric acid methylester
Diphenylphosphoric acid naphthylanilide
Diphenylphosphoric acid naphthylester
Diphenylphosphoric acid phenylanilide
Diphenylphosphoric acid phenylester
Diphenylphosphoric anilide
Diphenylurea
Ditetrafurfuryl adipate
Dodecyl acetate
Dodecyl alcohol
Dodecyl oleate
Edistin
Eleaolphthalic acid dibutylester
Eleaolphthalic acid di-isobutylester
Erganol
Ergol
Erythritol
Erythritol acetate
Erylthritol benzoate
Erythritol formate
Erythritol maleate
Erythritol nitrate
Erythritol oxalate
Erythritol phthalate
Erythritol succinate
Esters of 2-benzoylbenzoic and related acids
Ethox
Ethoxyacetylborneol
Ethoxyacetylmenthol
Ethoxyacetylsantalol
Ethoxyethyl phthalate
Ethoxymethyl(acetoxymethyl) phthalate
Ethyl abietate
Ethyl acetylsalicylate
Ethyl adipate
Ethyl butyrate
Ethyl carbamate
Ethyl carbanilate
Ethyl carbonate
Ethyl cinnamate
Ethyl dicresylphosphate
Ethyl dinaphthylphosphate
Ethyl diphenylphosphate
Ethyl meta-amidosulphobenzoate
Ethyl oleate
Ethyl orthoamidosulphobenzoate
Ethyl oxalate
Ethyl oxamate
Ethyl oxanilate
Ethyl palmitate
Ethyl parasulphoamidobenzoate
Ethyl paratoluenesulphoamidoacetate
Ethyl paratoluenesulphonate
Ethyl phosphate
Ethyl phthalamate
Ethyl pimelate
Ethyl propionate
Ethyl salicylate
Ethyl sebacate
Ethyl stearate
Ethyl suberate
Ethyl trichloroisobutylacetylsalicylate
Ethyl tricholorisopropylacetylsalicylate
Ethylacetanilide
Ethylaceto-orthonitrochloroanilide
Ethylacetyltetrachloroanilide, asymmetrical
Ethylanilide
Ethylanilide phosphate
Ethyleneglycol monoethylether
Ethyleneglycol monoethylether formate
Ethyleneglycol monoethylether phthalate
Ethyleneglycol monomethylether formate
Ethyleneglycol monomethylether phthalate
Ethylglycol acetate
Ethylglycol phthalate
Ethylidene 3-carboxylate
Ethylisopropyl ketone
Ethylmethylsulphone
Ethylnaphthyl ether
Ethylparatoluenesulphoethylanilide
Ethylpentachloranilide
Ethylphenylurea
Ethylphthalyl ethylglycollate
Ethyltetrachloranilide
Ethyltrichloroanilide
Ethylurea
Eugenol
Eugenol benzylether
Exalgin
Formalerythritic ether
Formanilide
Formic acid phenolic esters
Formylamidophenyl amylcarbonate
Formylamidophenyl ethylcarbonate
Formylamidophenyl isobutylcarbonate
Formylamidophenyl methylcarbonate
Formyldiphenylamine
Gliadin
Globulin
Glucose diacetate
Glucose dibutyrate
Glucose distearate
Glucose ditartrate
Glucose pentacetate
Glucose tetratartrate
Glucose triacetate
Glyacol
Glycerin acetate
Glycerin acetylsalicylate
Glycerin benzoate
Glycerin benzoic esters
Guaiacolphenyl ether
Guanidin
Guanidin nitrate
Heptyl 2-benzoylbenzoate
Hexachloroethane
Hexadecyl acetate
Hexadecyl alcohol
Hexahydro-orthocresol
Hydropalat A and B
Hydrophthalic acid dibutylester
Hydrophthalic acid diethylester
Hydroquinone
Hydroxyethyloxydiethyl monoacetate
Hydroxyethyloxydiethyl phthalate
Indene
Isoamyl benzylbenzoate
Isoamyl benzoylglycollate
Isoamyl resinate
Isoborneol butyrate
Isoborneol formate
Isoborneol oxalate
Isoborneol salicylate
Isobutyl benzoate
Isobutyl glycollate
Isobutyl phthalate
Isopropyl tartrate
Kronilyn
Kronite
Kronitex
Kronitone
Lactanilide
Lactylamidophenyl amylcarbonate
Glycerin formate
Glycerin maleate
Glycerin monoformate
Glycerin nitrate
Glycerin oxalate
Glycerin phthalate
Glycerin succinate
Glycerin triacetate
Glyceryl paratoluenesulphonate
Glyceryl triacetate
Glyceryl tricarbonate
Glycerylparatoluenesulphethylanilide
Glycol benzoate
Glycol hydrocinnamate
Glycol hydropate
Glycol monomethylphthalate

(To be continued)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Paint, Varnish, Lacquer Materials

Few New Developments in the Raw Paint Materials Market—Alkali Blue Toner Advanced—Various Varnish Gums Higher —Argentine Casein Increased—Turpentine Higher

Developments in the market for raw materials were not extensive during the period under review. The situation was running along lines similar to those of the previous week. Government buying of various materials continued heavy and industrial consumers of several products were unable to obtain supplies due to shortages.

Alkali blue toner advanced, the sole increase in the dry colors list. Most colors remained very firm, and scarcity of many was reported. The condition of the market for pigments was unchanged with reports of larger ordering of lead oxides by the government. Unlike users of titaniums and zinc oxides, buyers of lead pigments were having little difficulty in securing supplies.

Advances were reported in prices on elemi gum and Batavia and Singapore dammar gums. One type of Batu gum was boosted. Casein remained a very scarce item and Argentine material was again hiked. Production there and in the United States remained below normal and stocks were very low. Turpentine advanced, influenced mainly by a request from the government for bids on supplies up to the end of the year. Rosin was irregular,, charges in quotations generally being small or moderate. Business was quieter, buyers being disposed in some cases to hold off for further developments.

Metallic Lead and Zinc

The market for pig lead continued to move along narrow lines last week. Supplies were still insufficient to meet demand, although a report of further purchases of foreign lead was welcome news to both producers and consumers of the metal. There was no change in the slab zinc situation. The American Zinc Institute reported August production of slab zinc, including foreign ores, was 75.524 tons, compared with 74,641 tons in July and 57,196 tons in August, 1940. Stocks at the end of August were 17,969 tons, against 13,848 on July 31 and 52,214 a year ago. Shipments were 71,403 tons, against 71,894 tons the previous month and 72,989 in August, 1940.

Lead. — Prevailing spot prices at New York, St. Louis and London for the period from September 6 to September 12, inclusive, were as follows:—

	Pigs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0585@.0590	$0.0570	..* .. ..
Monday	.0585@.0590	.0570	.. .. ..
Tuesday	.0585@.0590	.0570	.. .. ..
Wedn'sd'y	.0585@.0590	.0570	.. .. ..
Thursday	.0585@.0590	.0570	.. .. ..
Friday	.0585@.0590	.0570	.. .. ..

* London exchange closed.

Zinc. — Prevailing spot prices at New York, East St. Louis and London for the period from September 6 to September 12, inclusive, were as follows:—

	Slabs		
	Per pound		Spot. London. Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0765	$0.0725	..* .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	.0765	.0725	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.

Litharge

Exports of litharge from the United States during the first five months of this year totaled 2,348,045 pounds, valued at $138,720, compared with 1,289,840 pounds, valued at $88,425, in the similar period of 1940. Total shipments during 1940 dropped to 3,171,072 pounds, from the 1939 figures of 4,155,287 pounds.

Sales of litharge in 1940 were virtually unchanged from 1939, continuing the comparatively favorable showing of that year. Sales were 89,562 tons last year, against 89,518 in the previous year. There were, however, some marked changes in sales to various industries between the two years. Last year, relatively small declines in sales for storage batteries, the principal use, and in insecticides, and greater decreases in chrome pigments and oil refining were almost entirely offset by a sharp gain in use of litharge for ceramics. Sales for varnish and rubber manufacture also gained in 1940.

The price of litharge has been little affected by the war. In August, 1939, just prior to the outbreak, car lots of the powdered, commercial material in barrels were quoted at 6.35c. per pound, delivered to New York. Smaller lots were at 6¾c. to 7¼c. per pound. At present the price is 1c. per pound higher in each case.

Price Changes

Advanced

Blue, alkali, toner, 5c. per lb.
Casein, imp., Argentine, 2c. per lb.
Gums, copal, Batu, bold black scraped, ½c. per lb.
dammar, Batavia, ⅞c. to 3⅝c. per lb.
Singapore, 1¼c. to 2¾c. per lb.
elemi, ⅞c. per lb.
Turpentine, gum, 7c. per gal.

Reduced

Rosin, gum, 1c. to 3c. per 100 lbs.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
129.8	129.8	129.8	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Pigments

Antimony White. — Movement irregular as producers continued to curtail offerings. Price steady.

Blue Lead.—Fair movement reported. Buying interest well maintained. Price firm.

Flake White.—Good inquiry noted. Price steady.

Litharge.—Battery makers fairly active. Buying sustained on even level. Prices firm and unchanged. January-June exports were 2,529,000 pounds, against 1,673,000 in the similar period of 1940.

Lithopone.—Tight market situation continued to dominate the trade. Sales allocated. Prices steady. Ex-

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—
Fed. Production Clubs, Oct. 27-28, Chicago.
Nat. Paint, Varn. and Lacq., Oct. 29-31, Chicago.

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PIGMENT SCARLET
MANDARIN ORANGE
CASCADE BLUES
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ports totaled 25,525,000 pounds in the first six months, compared with 14,957,000 in January-June, 1940.

Orange Mineral.—Still offered in fairly large quantities. Buying well sustained. Prices steady.

Red Lead.—Increased ordering reported. More defense buying. Prices unchanged and firm. The United States exported 2,466,000 pounds in January-June, against 1,330,000 in the same period last year.

Titanium Pigments.—Available supplies continued to run far behind demand. Production pace maintained but still not sufficient for prospective consumers. Prices steady. January-June exports were 9,103,000 pounds, against 5,315,000 in the corresponding period last year.

Zinc Oxides.—A similar situation prevailed here as for titaniums. Demand for outstripped available supply. Sales were allocated, with priority customers given preference. Prices were unchanged. Exports were 6,998,000 pounds in the first six months of 1941, compared with 3,658,000 in January-June, 1940.

Fillers and Extenders

Asbestos.—Satisfactory movement. Prices firm and unrevised.

Asphaltum.—Demand well maintained. Shipments regular and in good sized volume. Prices unaltered.

Barytes.—All grades moving in normal manner. Prices steady.

Blanc Fixe.—Deliveries well maintained. Offerings fairly satisfactory. Prices steady.

China Clay.—Domestic and imported material in good demand. Supplies believed adequate for normal needs. Prices firm.

Charcoal.—Normal movement. Quotations unaltered.

Diatomaceous Earth.—All grades moving well, with an especially heavy demand for chemically-pure type. Prices unchanged and firm.

Fuller's Earth.—Routine movement. Price steady.

Graphite.—Little of new interest. Demand fair. Price firm.

Gypsum.—Satisfactory demand. Prices steady.

Mica.—Offerings further restricted. Demand large. Quotations steady.

Whiting.—Good demand. Prices firm.

Woodflour.—Domestic product in good call at unchanged prices. No Norwegian material available.

Driers

The situation in regard to stearates and palmitates was unchanged last week, with the scarcity no more pronounced than in several previous periods. Allocation of sales remained the practice as producers continued to encounter difficulty in obtaining certain raw materials. All prices were maintained at previous levels.

Dry Colors

Alkali Blue Toner.—Advanced 5c. per pound to range of 85c. to 90c., in barrels, delivered to New York.

Bone Blacks.—Good call. Movement regular. Prices firm.

Carbon Blacks.—Movement to rubber industry large. Heavy demand. Offerings fair. Prices steady. United States exports during the first six months of 1941 dropped to 64,243,000 pounds from 106,719,000 in the similar period of 1940.

Chrome Colors.—Further tightening reported. Demand very heavy. Shipments smaller. Prices steady.

Iron Oxides.—Large call. Offerings restricted. Prices steady. Shipments of 550,975 pounds of red iron oxide from Spain during July brought the total exports of this commodity from Malaga to the United States to 3,960,273 pounds, with a value of $74.174 during the first seven months of 1941.

Mercuric Oxides.—Demand running along normal lines. Prices firm.

Ultramarine Blue.—Fair movement continued to feature the market. Prices were unchanged.

Vermilion.—Fair call. Price firm.

Lacquer Materials

Price announcements covering four quarter contracts were awaited for many lacquer materials and solvents last week. Most producers were not disposed to release schedules until the last minute, with final word expected no later than the 15th of the month. No intimation was given concerning what the ultimate course would be. Meanwhile natural methanol and methyl acetone prices were adjusted upward by a leading factor. The pressure of defense orders continued, and with priorities for this work taking substantial quantities, available supplies for regular contract consumers was strictly allocated.

Production of nitrocellulose sheets, rods and tubes during July amounted to 1,308,941 pounds, compared with 899,123 pounds in the like month a year ago, according to the Department of Commerce. Output for the first seven months of 1941 aggregated 10,579,929 pounds, contrasted with 6,666,093 pounds in the corresponding period a year ago.

Acetone.—Defense directly and indirectly absorbing most of output. Prices remain firm.

Butyl Alcohol.—Shipments moved actively, with market well booked ahead. Prices display firmness.

Cellulose Acetate.—Shipments mod-

□ □ □ □ □ FOR LOW-COST □ □ □ □ □

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erately active. Prices without change. July output of sheets, rods and tubes totaled 507,081 pounds, against 407,830 pounds in July a year ago. For first seven months output aggregated 3,371,444 pounds, against 4,503,528 pounds in same period a year ago.

Dibutyl Phthalate.—Bulk of material for defense needs. Prices remain firm.

Ethyl Acetate.—Short position continues, and offerings restricted. Prices without change.

Methylethyl Ketone.—Supplies are scarce, and business usually allocated. Prices were firm.

Tricresyl Phosphate.—Priorities govern bulk of the available supplies. Prices underwent no change.

Shellac

Selling actively in a strong market, shellac throughout the past week displayed substantial price stability in the absence of anything remotely suggesting actual or pending easing of market undertones. Calcutta values were strongly supported by exporters who well know that the United States will need increasing quantities of shellac and are content to await the next buying movement of substantial proportions. Spot quotations were very firm in all directions.

Naval Stores

Turpentine had an upward trend last week, influenced mainly by a request from the government for further bids on supplies. Quantities desired were not specified but it was supposed that sufficient turpentine was wanted to fill the needs of the British government which a while back asked for about 60,000 drums. Prices were also requested for the quantities dealers were in a position to supply with deliveries extending up to the close of the current calendar year. On Wednesday sales were reported in the Savannah market at 69c. per gallon which compared with 63½c. at the close of the previous week. Rosin was irregular in the South, changes in prices from day to day generally being within comparatively small limits.

The government remained in the market as a seller of turpentine and also continued to supply 1939 rosin in barrels. So far as new business was concerned the markets were less active, consumers and dealers apparently being disposed to hold off for further developments. Sentiment in trade circles as to prospects for prices and business during the remainder of the season continued bullish, however, in view of the indications of a considerable increase in consumption as compared with the previous season. Receipts and offerings in the South last week were moderate.

The following table shows the quantity of rosin and turpentine held by the CCC under loans to producers at the close of business August 31, 1941:—

Crop year.	Rosin.	Turpentine casks.
1938—bbls.	307,338	.....
drums	.....	.....
1939—bbls.	308,967	12,756
drums	20	.....
1940—bbls.	80,287	37,201
drums	262,057	.....
1941—bbls.	.....	.....
drums	71,411	.....
Totals	1,030,080	49,957

Turpentine.—Local prices had an upward trend in company with developments in the South, where the tone was stronger on prospects of further liberal takings by the government for export to Britain. There was a fair request here for small or moderate lots for prompt shipment.

Savannah, Sept. 12.—Following is a record of the turpentine market for the week:—

	Gallons— Cents.	Sales.	Barrels— Receipts.	Shipments.	On hand.
Saturday*	...	...	...	...	...
Monday	66¾	6,400	161	262	16,309
Tuesday	67½	6,800	584	512	16,381
Wednesday	69	6,400	234	...	16,615
Thursday	70½	19,400	120	...	16,735
Friday	70½	10,600	296	84	16,947

* No trading.

Jacksonville, Sept. 10.—Turpentine stock 11,398 barrels.

Pensacola, Sept. 6.—Turpentine stock 8,391 barrels.

Chicago—Sept. 12

Turpentine active and stronger. Ruling prices at the close of business last night were:—Five-drum lots, 80c. per gallon; five wood barrels, 85c.; single drums, 83c.; single barrels, 88c.

Rosin.—There was no snap to business in the local market last week, purchasing generally being limited to small or moderate lots with the aggregate movement of such quantities fair. Prices were irregular.

SAVANNAH, Sept. 12.—Following is a record of the rosin market for the week:—

	Price per unit—Low of range quoted— *Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$2.48	$2.48	$2.48	$2.48	$2.48
D	...	2.48	2.48	2.48	2.48	2.46
E	...	2.48	2.48	2.48	2.48	2.46
F	...	2.48	2.48	2.48	2.48	2.46
G	...	2.48	2.48	2.48	2.48	2.46
H	...	2.46	2.48	2.47	2.47	2.45
I	...	2.46	2.46	2.46	2.46	2.44
K	...	2.50	2.50	2.50	2.46	2.46
M	...	2.60	2.60	2.60	2.60	2.55
N	...	2.61	2.60	2.60	2.60	2.58
WG	...	2.78	2.80	2.78	2.77	2.77
WW	...	3.00	3.02	2.98	2.97	2.97
X	...	3.00	3.02	2.98	2.97	2.97
	Barrels—					
Sales	...	414	134	936	829	245
Receipts	...	517	608	890	337	793
Shipments	...	435	645	...	121	1,275
Stocks	...	...	...	...	...	117,912

* No trading.

Jacksonville, Sept. 10.—Rosin stock 291,888 barrels.

Pensacola, Sept. 6.—Rosin stock 20,300 barrels.

Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
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Chicago—Sept. 12

Rosin active and firm. Ruling prices at the close of business last night in five drum lots were:—B grade, $3.78 per 100 pounds net; G grade, $3.78; M grade, $3.90; W.W. grade, $4.32.

Other Naval Stores

Pine Oil.—Inquiry from local and outside consumers continued active. Quoted 65c. to 68c. per gallon.

Pitch.—Local market firm. Stocks apparently light. Inquiry fairly active.

Rosin Oil.—Firm with basic material. Local trade fairly active.

Tar.—Tone remained firm. Active inquiry from local and other buyers.

Synthetic Resins

Ester Gum.—Demand continued to exceed available supply. Many producers and suppliers were forced to refuse orders due to lack of material. Other synthetic resin buyers were feeling the pinch of scarcity as producers were forced to cut production due to lack of certain raw materials.

Varnish Gums

Copal.—Bold black scraped Batu material was advanced ½c. per pound to 12c. Other types firm and unchanged. Demand good.

Dammar.—Batavia gums were advanced, the advances ranging from ⅞c. to 3⅜c. per pound. Singapore gums were hiked 1⅛c. to 2¾c. per pound.

Elemi.—Advanced ⅜c. per pound to 8⅞c.

Glues and Binders

Casein. — Domestic material unchanged in price but showing strength. Argentine material advanced 2c. per pound to range of 30c. to 30½c. for the 20-30 mesh and 30½c. to 31c. for the 80-100. Very tight.

Glues.—Heavy demand continued. Sales allocated due to short supplies. Prices purely nominal.

Phila. Production Club Studies Materials Bureau

The possibility of setting up facilities through which local club members could make exchanges of raw materials was discussed at the first Fall meeting of the Philadelphia Paint and Varnish Production Club September 4.

Robert Allen of the Nuodex Products Company, Elizabeth, N. J., spoke on "A Study of the Use of Driers in Soft Oil Varnishes." A summary of his study follows:—

1. Cobalt in the proportion of 0.05 to 0.10 percent metal with the most desirable auxiliary driers will give excellent drying performance for the soft oil varnishes.

2. When linseed oil is the predominant oil in a varnish, low percentages of lead should be used in conjunction with about 0.10 percent calcium. Dehydrated castor oil is not susceptible to lead drier precipitation.

3. Maleic-dehydrated castor varnishes are prone to a marked increase in viscosity on addition of driers.

4. Long oil varnishes prepared from the soft oils will not give tough films. Linseed oil gives somewhat harder films than dehydrated castor at the same oil length.

Resinous Products Issues Booklet on 'Amberlites'

The Resinous Products & Chemical Company, Philadelphia, is distributing an 11x9 loose-leaf booklet of 24 pages with data on the properties and applications of "Amberlites," synthetic ion exchange resins. The company, which in 1940 acquired exclusive American license to patents originally developed at the Department of Science and Industrial Research, Teddington, London, and described by Holmes and Adams in 1935, plans to add additional sections for this booklet as the data are acquired. Copies of the booklet may be obtained from the office of the company, 222 South Washington Square, Philadelphia, by mentioning the REPORTER.

N.Y. Paint Club Hears Davis on OPM Problems

—Continued from page 4

which he is associated, pointing out that it had to start from scratch, little knowing the enormous size of the problem confronting it. Because the section had been in existence for so short a time, and because of the work to be done, he asked the paint industry to be patient and cooperate as much as possible with the OPM in order that the best possible job may be done.

Mr. Davis stressed the importance of the paint industry adjusting itself to changing conditions and, if possible, anticipating shortages. He suggested revival of old formulas, such as use of linseed oil, oiticica oil and natural resins. The present situation and the future outlook in regard to many of these materials was given by Mr. Davis.

Sharp criticism of the United States Navy for heavy buying of raw materials and supplies, a practice that has resulted in curtailed essential civilian use in many cases, was unwarranted, according to Mr. Davis. He pointed out that despite the rapidly expanding naval program the Navy at present is only buying six months ahead and all purchases are for specific reason and not merely for accumulation of stocks.

Mr. Davis closed by emphasizing the role to be portrayed by the industry in the defense program. He urged that salesmen, at present with nothing to sell, be used to educate and aid customers by teaching them what products are considered for direct defense, essential civilian use, or non-essential use. The industry could also turn to use of substitutes for materials that are now scarce or slated for the defense program, he said. And above all, he concluded, cooperate with the OPM and give it assistance and guidance in order that the present situation may be remedied as quickly and as efficiently as possible.

Northwestern Paint Club Discusses Traffic Paints

The Northwestern Paint and Varnish Production Club meeting held September 5 was attended by twenty-one members and guests.

A letter was received from the Baltimore Club concerning "Occupational Diseases in the Paint and Varnish Industry" which requested aid in compiling data regarding illness and accidents pertaining to our industry.

G. W. Ashman, of the New Jersey Zinc Company, talked on "Traffic Paints," which he illustrated with numerous colored slides.

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BARTYL "G", a new Givaudan anti-skinning agent, is like Bartyl "A" in that it has little odor and leaves no odor, yet it sells for approximately *one third the price . . . and is more powerful.*

BARTYL "G" does not affect color, is soluble in oils and solvents and requires but little adjustment to paint formulas so that it will not retard drying. Our staff will be glad to work with you in making these adjustments to your complete satisfaction. Write for samples and prices on BARTYL "G".

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Chemical Salesmen Discuss Roles

—*Continued from page* 3

In reply to questions Dr. Morgan explained how A1 (i) ratings can be got by those supplying materials needed in primary defense production. He also told about the pending order on maintenance and repair materials and sketched the preference plans set up for health products, laboratories, and agricultural products.

Emergency Functioning

The big feature of the meeting was a symposium on "The Function of the Chemical Salesman During the Present Emergency." This was a question-and-answer affair, the experts being Robert J. Quinn, of Mathieson Alkali Works; Ralph E. Dorland, of the Dow Chemical Company; Robert P. Gould (purchasing agent), of the Heyden Chemical Corporation; Francis J. McDonough, of New York Quinine & Chemical Works, and A. E. Orem, of E. I. du Pont de Nemours & Co. Thomas R. Farrell, of *Drug and Cosmetic Industry* was interlocutor.

Following is what was developed:—

Sales Approach

What should be the salesman's sales approach during the present emergency?

The salesman's sales approach, said Mr. Quinn, should be as frequent, as carefully planned, and as regularly executed as under normal conditions. He should not follow a line of least resistance, rub in the woes of a purchaser, or shift responsibility for shortcomings. He should treat his customers with sympathy, fairness, courage, and forethought.

Routine Calls

Should a salesman make his routine calls even though his company cannot supply customers' usual requirements?

The salesman surely should keep in touch with his customers, said Mr. Dorland, and build for the future when there will be a lot of competition.

Expense Accounts

Shall salesmen be allowed to spend more or less on customers under the present emergency?

Mr. Gould, opining that such spending was already too much, said that management should know what selling should cost and should work out with the salesmen a satisfactory budget.

Statistical Data

Should a salesman be supplied with detailed information by his company on supply and demand of its products?

Such information should be given to salesmen, said Mr. McDonough; if a concern is out of an article it so informs its customers; it should do the same with respect to articles with which it is well supplied. The better a salesman is informed, the better he may serve his house. He should be allowed to use his own judgment to an extent as to what he will tell his customers, but should see that they are practically informed.

Mr. Dorland said that he held each man responsible under the quantities of his contracts and held him to the shipping of commensurate monthly quotas.

Bringing Salesmen In

Is it a better policy to maintain your outside salesmen or call them into the office?

Mr. Orem considered it difinitely better to maintain the outside force. His plan is to divide the men's time equally inside and out so as to have their special knowledge available for answering questions coming to the office by mail and telephone and telegraph.

Referring to Competitors

Should a salesman recommend other competitive sources of supply when his company is unable to supply his customers?

The prime function of a salesman, said Mr. Dorland, is to serve his customers adequately; hence it is his duty to give them information on where they can get supplies.

Preparing for Future

What should be a salesman's attitude toward promoting postwar business?

The smart salesman will give thought to what is going to happen, said Mr. Quinn; he will build up himself and be fully prepared to recognize new conditions and to meet them and to handle new materials as circumstances may dictate.

Cultivating Technical Men

Should salesmen attempt to divert a portion of their time from the purchasing agents to cultivate the goodwill of the technical or production department?

The answer to this question, said Mr. McDonough, depends on who has technical knowledge. If the purchasing agent is a technical man, there is no need to go past him. If the salesman has no technical knowledge there is no use of his calling on any technical man. Often it is best for a technical salesman to confer with a nontechnical buyer and his technical associate together.

Mr. Gould (a purchasing agent) said that he calls on the technical staff for assistance. He felt that the purchasing and production departments should cooperate and coordinate their functions, each recognizing its place and keeping in it. Salesmen, he felt, should not take advantages or go over a buyer's head for selfish reasons. The best method lies in proper cooperation of all three parties.

Mr. Dorland argued that, if a technical salesman called on a nontechnical purchasing agent and did not get proper recognition, he should endeavor to get in contact with the technical department through the purchasing agent; if this could not be done, he should try to have a technical man from his house "casually" meet the customer's technician, and himself enter the picture later as an "innocent" party.

Attending Conventions

Should a salesman participate in trade associations and trade conventions to a greater or less degree than under normal conditions?

Mr. Gould considered this a question for management, presenting an immediate problem. Salesmen always should attend where buyers or consumers congregate; the potential exchange of ideas and information is now more than ever important. Such contacts should not be looked upon as play.

Mr. McDonough said that salesmen should attend all possible meetings of their customers to develop and maintain good-will.

Credit on New Items

What about credit for a salesman for sales in his terirtory of new or patented items developed by the research department?

Mr. Orem said that a salesman should get credit for everything sold in his territory.

Income and Employment

What is the management's responsibility on income and employment to their salesmen during this period of restricted order acceptance?

Mr. McDonough's view was that management should take care of its salesmen. He pointed out that, depending on the amount of a concern's profits, the government "paid" from 40 percent to 70 percent of the salaries of men retained on the payroll, because otherwise that proportion would have to be paid as profits tax.

Mr. Dorland said that it was his endeavor not to let go of good men, but to train them with respect to new materials as circumstances required.

Substitute Materials

Should a company encourage its salesmen to recommend substitutes, even though it cannot supply such substitutes, and what about the long-term view?

Mr. Gould's view was that a successful salesman must be a student of human nature psychologically and able to exercise judgment in his relations. The question of substitutes, he felt, is one for the buyer's technical staff, rather than for the salesman, because the latter usually is not sufficiently acquainted with the buyer's problems.

Evaluation on Volume

Is a salesman equally valuable to his company when aiding in the distribution of a very limited supply of a product as he would be in the actual selling of a product that is more or less plentiful?

If prices are on a parity, plentiful products are easy to sell, said Mr. Dorland. Satisfactory handling of customers and keeping good-will are another matter. The man who can keep customers satisfied under abnormal conditions is doing the better job, he believed. Mr. Orem commented that Mr. Dorland's answer was perfect.

Technical Promotion

Would you send out technical service men to call on consumers, even though you cannot supply sufficient material through distributors to satisfy the needs of such consumers?

Mr. Quinn said that he would do so, because technical men's calls are useful for information and advice, and these men also can observe new trends and help to cultivate their opportunities with new materials, either as temporary substitutes or as permanent replacements.

What Is a Salesman

An extra question—what is a salesman?—was introduced by Walter Buehler, of the Barrett Company, who opined that a proper definition would make all preceding questions unnecessary.

Mr. Dorland said that a salesman is one who understands people, their differences, and their needs, and who has patience and ambition and is not afraid to work. Men of different types succeed on different lines.

Mr. Buehler answered his own question with the view that a salesman in a practical process industry should be a man who knows more about his product than his customers know. While a purchasing agent might resent a salesman's going to the production department, if he knows that the salesman knows his goods, he will invite the latter to confer with the technical staff. Mr. Dorland said that it was not good policy to make the buyer feel that you knew it all or even knew more than he did.

Mr. Gould opined that some were salesmen by natural talent; others by acquisition. His idea of a salesman was one who could sell an article and develop mutual benefit for buyer and seller; who could build enthusiasm for his goods. Buying and selling must fit together, he said, and function correlatively.

The Entertainment Side

There was an almost all-out participation in the golf tournament Saturday afternoon, and there was some good golf.

The many prizes, presented at the anniversary dinner, were won by the following members:—

Class A, low gross, Paul A. Dunkel, of P. A. Dunkel, Inc.; low net, Henry Hermann, of General Dyestuff Corporation; second low net, Charles Frosst, of Prior Chemical Corporation. Class B, low gross, Steve Urban, of E. R. Squibb & Sons; low net, J. P. Remensnyder, of Heyden Chemical Corporation; second low net, G. C. Gore. Class C, low gross, William Adkins, of Schimmel & Co.; low net, C. V. Douglass, of Diamond Alkali Company; second low net, Otis Grant, of Dow Chemical Company. High gross, M. Lemmermeyer, of Aromatic Products.

Guests:—Low gross, E. A. Bush; low net, C. R. Sherman; second low net, Dr. D. P. Morgan.

Longest drive, Charles D. Slater, of J. T. Baker Chemical Company.

Closest to pin, W. J. Growney.

Prizes were awarded also for half a dozen kicker's scores for members and for guests and several prizes for non-golfers.

Sunday forenoon the softball championship of the association was decided in a game between the Hydrogens and the Oxygens with the simultaneous assistance of four umpires. The Hydrogens were the better team by a ratio of 9:5 in runs. The big thrills—not counting the spills—were two homeruns: one by Frank Reid, of N. Y. Q., for the Hydrogens; the other by Joe McKiefery, of OPD, for the Oxygens.

Thirty-two contestants participated in the horseshoe-pitching tournament for two-men teams. Bob Quinn, of Mathieson, and Bill Weed, of Niagara, won with a final score of 21 to 7 against Otis Grant and Al Leith. The winners' successive qualifying scores were 15 to 2; 15 to 3; and 15 to 5.

There was a big night-club entertainment Saturday evening. The judges' awards in the "hoss race" provided the only argument.

The official wind-up event was a beefsteak barbecue Sunday afternoon; but the golfers were still going at sundown.

Oxalic Acid from Sawdust

One hundred pounds of dry sawdust, which is either burned as fuel or wasted at the rate of 8,000,000 tons a year in this country, will produce nearly $8 worth of chemicals. In addition to oxalic acid, sawdust also yields appreciable amounts of acetic and formic acids, and wood alcohol. The report was submitted by D. F. Othmer and others of the Polytechnic Institute of Brooklyn to the American Chemical Society.

Oxalic acid is produced by fusing sawdust with lye and treating the resultant mass with lime and sulphuric acid, to effect purificaton and to produce a material that can be used in industry. Appreciable amounts of acetic and formic acids are produced, and the value of these by-products is such that their recovery should pay for the operating costs of the process.

A method of controlling the process has been worked out whereby the progression of the reaction can be constantly checked by merely observing the color of the fusion mass, making for simplicity in operation and elimination of elaborate chemical control.

An apparatus has been designed, and operated in pilot plant size, for carrying out this process continuously, which reduces operating costs and permits use of unskilled labor. One hundred pounds of dry sawdust will produce fifty pounds of oxalic acid, fourteen pounds of acetic acid, and four pounds each of formic acid and wood alcohol. In normal times these products have a total selling price of $7.94.

Lignocellulose Compounds

Waste wood is being utilized in the production of a treated fiber called 'lignocellulose' for use in plastics. A pilot plant is now in operation producing comercial quantities of lignocellulose molding compound for manufacture of plastic articles from wood flour or sawdust, according to the paper, which described continuous wood hydrolysis, a new process developed by the Northwood Chemical Company, Phelps, Wis.

The continuous process results in lignocellulose residues of varying characteristics, dependent upon the specific use to which the material is to be put. Prime features of this new process are accuracy of control and simplicity of operation. Using the same chemical treatment as previous wood hydrolysis processes which have been developed here and abroad, the continuous process accomplishes in one to ten minutes the chemical reaction which takes from thirty minutes to several hours by the older methods. Lignocellulose residues produced by the continuous process have plastic properties and at the same time retain much of the strength inherent in wood fibers. It has been found, however, that best results are obtained when lignocellulose is used as a semi-plastic filler in conjunction with resins now used in plastic molding compounds.

In addition, chemical by-products are obtained from the process. Acetic acid, formic acid, furfural, and wood sugars can be recovered from the liquors remaining after processing of the waste wood.

N.Y. Paint Club To Meet September 25

The New York Paint, Varnish and Lacquer Association will hold a meeting in the Hotel Biltmore September 25. Following a short business meeting, there will be a program of entertainment.

U. S. Vitamin Corporation, this city, has appointed Bernard A. Fuchs advertising manager. Mr. Fuchs was formerly with Murray Breese Associates, through which agency the advertising will continue to be placed.

Oil, Fats, and Waxes

Cottonseed Products Up in Southern and Local Markets—Cotton Crop Estimate Down to 10,710,000 Bales—Soybeans Sharply Higher—Stearic Acid and Red Oil Advanced

A decidely firm tone continued to rule in the market for miscellaneous oils, fats and greases last week. The price trend was upward, advances in not a few instances being sharp. The REPORTER'S index number showed a substantial rise. Demand increased buying interest being stimulated by sharp advances in various speculative commodities, including cotton, cottonseed oil, lard and soybeans. The rise in price failed to bring about any increase in offerings of oils and fats. On the contrary the stringency of supplies in the case of some imported and domestic products seemed to be increasing. A bullish development was the publication of the September monthly cotton crop report which pointed to a yield of only 10,710,000 bales as compared with the production last season of 12,566,000 bales.

Vegetable Oils

Castor, Dehydrated. — Contract movement continued large. New business active. Market firm.

Chinawood.—Firm at an advance of one cent per pound. Inquiry good. Offerings limited to comparatively small quantities.

Coconut.—Crude continued scarce on spot. Nominal quotaions advanced to 7⅝c. per lb., spot, and 7½c. for October - December delivery. Refined fairly active and firm.

Corn. — Inquiry active. Offerings light, crude and refined. Nominal quotations up 1 to 1¼c.

Cottonseed.—Edible oil advanced ½c. per pound. Demand active.

Oiticica.—Tankcar prices advanced ½c. by some sellers. demand good.

Olive.—Edible oil, denatured and foots remained firm. Stocks light or moderate. Inquiry fairly active.

Palm.—Firmer with competing product. Nominal quotations advanced ½ to¾c. Offerings light, spot and shipment. Nominal quotations ¼c. higher.

Peanut.—Firmer with competing product. Offerings limited. Nominal quotations up ½ to ¾c.

Perilla.—Sales at ½c. advance. Spot stocks small.

Rapeseed.—Market firm. Inquiry fairly active. Stocks moderate.

Soybean.—Stronger with beans. Inquiry good. Prices advanced ½c.

Teaseed.—Stronger on increasing scarcity. Nominal quotations 2½ to 3c. higher.

There was no trading in soybean oil futures in the New York Produce Exchange, from September 6 to September 12, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
October	...	...	11.35 Nom.
December	...	...	11.35 Nom.

Rapeseed Oil

Rapeseed oil has sold at comparatively high prices recently although this product has not advanced as markedly as some other imported oils. Supplies in the hands of importers and dealers appear to be comparatively light, however, and to some the tendency of the market seems to be upward. Last week 15½c. per pound was quoted for spot oil in car-load lots. This compared with $1.10 per gallon a year ago and 85c. two years ago.

Importations during the first half of 1941 were 7,420,411 pound against 7,178,085 pounds in the same time in 1940 and 3,831,743 pounds two years ago. Consumption during the first half of the current year was 5,004,000 pounds against 4,664,000 in the corresponding period in 1940 and 2,608,594 pounds in the same time in 1939. Factory and warehouse stocks at the close of June 1941 were 8,133,000 pounds against 4,890,000 pounds at the same time in 1940 and 3,147,542 pounds in 1939.

Price Changes

Advanced

Chinawood oil, 1c. per lb.
Coconut oil, crude, ⅝c. per lb.
Corn oil, crude, 1c. per lb.
Cottonseed oil, crude, ¾c. per lb.
edible, ½c. per lb.
Lard, 25c. to 50c. per 100 lbs.
Lard compound, $1 per 100 lbs.
Lard oil, ⅜c. to ½c. per lb.
Linseed meal, $2.50 per ton.
Menhaden oil, refined, 6/10c. per lb.
Neatsfoot oil, ¼c. to ½c. per lb.
Oiticica oil, tanks, ½c. per lb.
Palm oil, ¾c. per lb.
Peanut oil, ½c. to ¾c. per lb.
Perilla oil, ½c. per lb.
Red oil, ½c.per lb.
Sardine oil, refined, 6/10c. per lb.
Soybean meal, $3 per ton.
Soybean oil, ½c. per lb.
Sperm oil, ½c. per lb.
Stearic acid, ½c. per lb.
Tallow oil, ¼c. per lb.
Teaseed oil, 2½c. to 3c. per lb.
Whale oil, refined, 6/10c. per lb.

Reduced

Carnauba wax, refined, 1c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
174.6	168.5	165.0	95.2

Market news that may have developed after this report was sent to press will be found on page 4.

Markets at Other Centers

Chicago, Sept. 12

A stronger tone is in evidence in the general vegetable oil market. Inquiry is good.

Coconut.—Refined, edible oil, 13c. to 13½c. per pound, drums, car lots; 13½c. to 14c., drums, less than car lots.

Corn.—Crude, mills, 12½c. to 12¾c. per pound. Refined, edible oil, 14¼c. to 14½c. per pound, drums, car lots; 14¾c. to 15c., drums, less than car lots.

Soybean.—Crude, 10¾c. to 11c. per pound.

The market for soybeans on the Chicago Board of Trade was active. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing— Sept. 12.	Sept. 5.
October	$1.92¼	$1.69½	$1.90¼	$1.69
December	1.93¼	1.70¼	1.90½	1.69⅞

San Francisco—Sept. 10

Vegetable remained firm. Trading more active.

Coconut.—Further active trading at 6⅜c. per pound in tankcars, f.o.b. Pacific Coast ports and/or mills. Sellers quoting 6¾c. today, with no takers at this level. Copra 4c. per pound.

Chinawood.—Supplies light. Syndicate oil 34c. per pound in tankcars, f.o.b. Pacific Coast ports.

Oiticica.—Solid oil quoted at 22c. per pound in drums; liquid at 23c. f.o.b. San Francisco.

Babassu.—Supplies light. Quoted nominally at 9½c. per pound in tankcars, f.o.b. Pacific Coast mills.

Cottonseed.—Crude California oil 12c. per pound in tankcars, f.o.b. northern California mill.

Palm, Crude.—Sales at 6¾c. per pound in tankcars, f.o.b. Pacific Coast ports. Market strong.

Palm Kernel. Nominal at 7⅝c. per pound in tankcars, f.o.b. Pacific Coast ports.

Castor, Crude.—Quoted at 11c. per pound in tankcars, f.o.b. Los Angeles.

Rapeseed.—Argentine oil, denatured and refined, quoted 10½c. per pound in tankcars, f.o.b. Pacific Coast ports.

Walnut, Crude.—Nominal at 11c. per pound in tankcars.

Linseed Oil

Flaxseed markets firmer. Meal advanced. Oil steady.

Flaxseed.—Duluth, Sept. 12.—Flaxseed was strengthened by advances in wheat and soybeans.

The week's closing flaxseed price range was as follows:—

	Cash.	Sept.
Saturday	$1.94½	$1.94⅛
Monday	1.98	1.98
Tuesday	1.99½	1.99½
Wednesday	1.99½	1.99½
Thursday	2.02⅝	2.03
riday	2.04⅝	2.04½

Crop movement in bushels follows:—

	Receipts— 1941.	1940.	Shipments— 1941.	1940.
This week	447,495	551,637	140,975	267,281
Since Aug. 1.	858,395	3,368,932	250,360	853,306

Minneapolis, Sept. 12.—The in movement of flaxseed is decreasing gradually and, because of general rainfall in the Northern area of the producing belt, demand for supplies of the Southern area is gathering force.

At least the crushers are more or less worried over the prospects, and competition for sound flaxseed offers still available is growing sharp. Most of the good seed originates in Iowa and central and southern Minnesota.

Due to the extreme strength in soybean prices and general strength of oils and fats, the more intelligent and marketwise farmers are not selling as freely as they did earlier in the season. Efforts to put a ceiling over agricultural products have been ineffectual so far, and producers sense this deeply enough to adopt a conservative selling attitude. A further shrinkage in country movement is expected by the crushing trade and a sharp deterioration in average quality.

Territory affected by rains is large, extending from eastern North Dakota almost to the Pacific Coast.

The week's closing flaxseed price range was as follows:—

	Cash.	Oct.	Dec.
Saturday	$1.95¼	$1.98¼	$2.03¼
Monday	1.95½	1.98	2.02
Tuesday	2.00½	1.99½	2.03¾
Wednesday	2.00¾	2.03	2.08
Thursday	2.03¼	2.02¾	2.07½
Friday	2.06¾	2.04¾	2.09

Crop movement in bushels follows:—

	Receipts— 1941.	1940.	Shipments— 1941.	1940.
This week	877,800	2,633,400	168,000	84,800
Since Sept. 1.	2,224,600	3,567,200	309,200	136,500

Winnipeg, Sept. 12.—The week's closing flaxseed price range was as follows:—

	Cash.	Oct.	Dec.
Saturday	$1.46¼	$1.46½	$1.46¼
Monday	1.47	1.47	1.46¼
Tuesday	1.50	1.50	1.49⅝
Wednesday	1.52	1.52	1.51⅝
Thursday	1.53	1.55	1.54
Friday	1.60⅝	1.60½	1.60½

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Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Buenos Aires, Sept. 12.—Flaxseed, October 76⅞c. per bushel. Exports this week 586,000 bushels, including 531,000 to the United States. Total since January 1, as follows:—

To—	Bushels This year.	Bushels Last year.
United States	13,799,000	8,782,000
United Kingdom	1,058,000	5,837,000
Continent	697,000	11,856,000
Orders	.....	606,000
Others	1,218,000	1,042,000
Totals	16,772,000	28,123,000

Visible Supply

	Bushels.
Last week	20,472,000
Previous week	20,669,000
Last year	5,118,000

Linseed Oil.—Withdrawals of oil on contracts continued liberal, but new business remained rather quiet despite an upward trend in many other oils and fats. The market had a steady tone. Indications continued to point to a considerable increase in consumption for the current season as compared with the previous year. Flaxseed was in good demand and firm in Northwestern markets. The country movement was lighter and receipts at terminal points were smaller. The quality of the crop in some sections was reported to have been lowered by rain. The government in its estimate for September put the yield at 31,900,000 bushels against 30,711,000 a month earlier and a production last season of 31,217,000 bushels.

Minneapolis, Sept. 12.—Little can be added to linseed oil news of last week. Crushers are sold out for the balance of the year and although they find the interest of buyers fairly aggressive they are unwilling to enter into further contracts for important lots to be delivered after the turn of the year.

Quotations on tankcar lots f.o.b. Minneapolis 10.2c. per pound, cooperage car lots 11.1c. per pound, warehouse lots 11.5c. per pound.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week	5,100,000	4,250,000
Since Sept. 1	9,900,000	7,650,000

San Francisco, Sept. 10.—Linseed oil quiet. Week closed September 5 saw delivery of 24,669 bushels to California mills, bringing season's total to 3,115,176. Bay region crushers bidding 20c. bushel over Minneapolis, but offerings negligible. Oil prices unchanged.

Chicago, Sept. 12.— Linseed oil active. Tankcar, 10.2c. per pound; drums, car lots, 11.1c.; drums, less than car lots, 11.5c.

Cake and Meal.—Meal stronger. Steady contract movement. New business more active.

Minneapolis, Sept. 12.—Demand for linseed meal for nearby delivery exceeds supply and tone of the market remains

Quotations on car-load lots f.o.b. Minneapolis, 100-lb. sacks, $38 to $38.50 per ton.

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week	10,360,000	6,400,000
Since Sept. 1	22,970,000	10,840,000

Chicago, Sept. 12.—Linseed meal more active, is steady in price. Round lots, $35 to $36 per ton, nominal; car lots, $36; less than car lots, $38.

Cottonseed Oil

The price trend was upward in Southern and local markets for cottonseed products. Cotton crop news bullish.

Cottonseed Oil.—The price trend in the local market for refined cottonseed oil futures was again mainly upward although there was some irregularity at times, due to long liquidation and hedge selling. On the whole, however, sentiment still appeared to be bullish. New high prices were established on all months except September in which trading was curtailed by temporary rules applying only to that month. On Wednesday there were 25 tenders on September contracts.

A bullish development was the monthly government cotton crop report which put the indicated yield as of September 1 at only 10,710,000 bales against 10,817,000 bales a month earlier and 12,566,000 bales last year. In the opinion of some the crop has been further curtailed since the gathering of data for the report by boll weevil and other pests.

Trading was fairly active despite the announcement of new rules by the government which are expected to have a tendency to curtail speculative operations in cottonseed oil, lard and soybeans as well as other oils and fats. A series of sharp advances occurred in soybeans in the face of a sharp increase in margin requirements. Sales of crude cottonseed oil were reported at 12½c. to 12¾c. per pound. Many other oils and fats were higher and scarce at the rise. Cottonseed was quoted in some sections at around $60 per ton. The quantity of cotton ginned to September 1 was 504,125 bales against 605,764 bales in the same time last season.

The government estimated the soybean crop as of September 1 at 110,884,000 bushels, the largest on record, but this failed to hold soybean and oil prices in check. The peanut crop was put at 1,498,750,000 pounds, or 14 percent below the record crop of the previous year. Hog receipts were moderate. The weight of the hogs received in Chicago during the week ended September 6 averaged 237 pounds in the previous week.

Trading in bleachable prime Summer yellow cottonseed oil futures on the New York Produce Exchange from September 6 to September 12, inclusive, comprised 1,269 contracts. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	14.08	13.28	13.92 sale
March	14.15	13.37	14.02 sale
September	13.70	13.65	14.15@14.50
October	14.13	13.45	13.98@14.05
December	14.07	13.27	13.90 sale

Crude, Southeast, 12½c. Nom.

Chicago, Sept. 12.—A strong tone persisted in the cottonseed oil market. Buying has been active for some time. Refined, edible oil, 14c. to 14½c. per pound, drums, car lots; and 14½c. to 15c., drums, less than car lots.

Cake and Meal.—Southern markets had a firmer tone. the price trend being upward with offerings light. Trade broadened.

Markets at Other Centers

Atlanta—Sept. 10

A short cotton crop and high prices at which seed are being held, has brought 8 percent meal to $42 to $42.50 per ton in the Southeast. Prime crude oil is quoted at 12½ cents per pound. Reports on boll weevil damage indicate the heaviest since 1921 in the Southeast.

Memphis—Sept. 11

Crude cottonseed oil quiet and firm. Bid 12¼c. Light seed movement just getting underway. Offerings of products should increase next week. Not much crude sold ahead. Advance in meal reflects speculative demand in Memphis pit. Demand from consumers with buyers complaining over high prices. Meal, 41 percent, $44 per ton, Memphis basis. Bulk cake $40 per ton, Valley basis. Bulk hulls $7 per ton; sacked $10.50. Weather clearing. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	Sept. 4.	Sept. 11.
October	$40.85@——	$43.50@44.00
December	41.15@——	44.00@——
January	41.10@41.50	44.10@——
March	42.10@——	44.50@44.75

Closing soybean meal futures:—

October	$36.75@37.50	$40.00@——
December	36.00@36.50	40.00@——
January	36.15@——	40.00@——
March	36.25@36.50	40.00@——

Fatty Acids

Capric Acid.—Output moving steadily to local and outside consumers. Market firm.

Castor Oil.—Good demand from makers of cosmetics and shampoos. Quotations maintained.

Myristic Acid.—Soap makers steady buyers. Market firm.

Palm Oil.—Firm with basic material. Increased inquiry noted.

Red Oil.—Quotations advanced ½c. on increased cost of production. Demand good.

Stearic Acid.—Advance in raw material reflected in acid. Prices up ½c. Steady movement.

Chicago—Sept. 12

Fatty acids active. Corn oil, double distilled, 14c. to 14½c. per pound, tankcar; 14½c. to 15c., drums, car lots; 15c. to 15½c., drums, less than car lots; coconut oil, acidulated, 15½c. to 16c. per pound, tankcar, nominal; 16c. to 16½c., drums, car lots; 16½c. to 17c., drums, less than car lots; cottonseed oil, double distilled, 13¼c. to 13½c. per pound, tankcar; 13¾c. to 14c., drums, car lots; 14¼c. to 14½c., drums, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 3¼c. to 3½c.; boiled down soap stock, 65 percent basis, 4¼c. to 4½c.; cottonseed foots, 50 percent basis, 3½c. to 3¾c.

Fish Oils

Cod.—Quotations maintained. Tone steady. Supplies light. Fair inquiry.

Sardine.—Refined oil firmer with crude. Quotations advanced six points. Trade fairly active.

Sperm.—Quotations advanced ½c. per pound. Fair demand from local and other consumers.

Whale.—Fair inquiry for small lots of refined. Supplies light. Nominal quotations advanced six points.

Markets at Other Centers

Baltimore—Sept. 10

Menhaden oil is very fine, with business done during the last week at 58 cents per gallon, at which figure more oil could be disposed of, if sellers were willing to accept that price. The producers, however, have advanced their asking price to 60 cents per gallon. The fishing on the East coast north of the Chesapeake Bay is stated to be very good, and the fish are yielding oil in satisfactory quantities. In North Carolina the business has slowed up, though results there are not deemed unsatisfactory. The market for refined oil is holding well at approximately 70 cents per gallon for light pressed supplies, with bleached oil slightly higher.

San Francisco—Sept. 10

Heavy buying of crude California sardine oil at 60c. per gallon in the northern portion of the state and 65c. in the southern district. Now quiet owing to the unwillingness of buyers to follow.

The buying was such that apparently at least one big consumer had orders in at all factories in the north, taking

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everything that was available at the 60-cent level, and estimates currently place approximately 1,100 tankcars of oil as the quantity of material now written into contract and/or already delivered this season.

A normal season, and this one appears to be progressing normally. Should see about 2,000 tankcars produced.

Activity in the Oregon-Washington district is said to be all but over now, with the season about closed. Early reports indicate that about 125 tankcars were produced up there. So far as is known this oil has been sold out.

Fats and Greases

Grease.—Increased inquiry noted in some quarters. Offerings generally light. Tone firm.

Chicago, Sept. 12.—Choice white grease, 8⅛c. to 8¼c. per pound; yellow, 7⅝c. to 7¾c.

Lard.—Local trade in cash lard fairly active. Hog receipts moderate.

Chicago, Sept. 12.—Following is a lard price record, per 100 pounds, for week:—

	High.	Low.	Closing Sept. 12.	Closing Sept. 5.
Cash	$10.90	$10.65	$10.87	$10.69
October	11.05	10.70	10.90	10.75
December	11.50	11.05	11.30	11.12

Stearin.—Offerings light. Fair spot inquiry. Market firm.

Chicago, Sept. 12.—Prime oleo stearin, 9c. to 9¼c. per pound.

Tallow.—Local situation featured by firm tone. Offerings light. Inquiry fairly active.

Chicago, Sept. 12.—Inedible tallow, prime, 8¼c to 8½c. per pound; special, 7½c. to 7¾c.

Animal Oils

Lard.—Stronger with basic material. Prices up ⅜c. to ½c. per pound. Demand fairly active.

Neatsfoot.—Demand good. Some grades up ¼c. to ½c. per pound. Raw material in light supply and firm.

Oleo.—Increased request for moderate lots. Local supplies reported light. Market firm.

Tallow.—Stronger with raw material. Prices up ¼c. Fair demand.

Waxes

Bees.—Strong as ever. Pointing toward still stronger position. White bleached, slabs, 53c. per pound; cakes, 54c.; discs, 55c. Refined yellow, 51c. to 52c. June imports of crude as follows:—

	Pounds.
Guatemala	9,605
Salvador	1,033
Mexico	32,842
Cuba	42,353
Dominican Republic	52,980
Haiti	10,411
Argentina	42,928
Brazil	173,277
Chile	156,980
Peru	1,740
Burma	2,240
Egypt	11,035
Total	538,424

Candelilla. — Strong and scarce. Market 30c. to 31c. per pound. June imports totaled 826,721 pounds.

Carnauba.—Refined lower at 81c. to 82c. per pound. Market very active. Apparently still strong in Brazil. Values there influenced by orders from United States. June importations totaled 1,935,402 pounds.

Japan.—Steady to firm. Selling fairly well. Prices well maintained. June imports totaled 444,640 pounds.

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Washington Talks It Over

—*Continued from page 5*

Next step in the speed-up campaign of the new Director of Priorities was to issue priorities regulation No. 2 which makes all preference ratings mandatory, thus putting teeth, as well as speed, in the priorities system.

Too Many Middlemen

Chemical brokers, jobbers, wholesalers, dealers, and spot buyers as a class are viewed with considerable suspicion by OPA. An economic function is seen for one, or maybe two, distributors between original producer and ultimate consumer, but not for a chain of six or eight. OPA has found some deals which passed through a dozen hands enroute from maker to user, each time with a price boost, and can't see any pro bono publico in such business. What it describes as sales from seller to seller are felt to be particularly bad. England is said to have prohibited all sales between sellers for the duration, and OPA thinks this is an idea worth copying. If one user has more than he needs and another has less, the government will take from him who hath and give unto him who hath not.

One-Shot System

Businessmen having defense errands in Washington have had to do a lot of chasing around to find the commodity experts handling their problems, and then like as not they discovered that the particular expert they succeeded in locating handled only a part of the problem. This is all being changed. OPM has assigned twenty-eight of its commodity branches to the four divisions most concerned, and is consolidating its specialists into these branches.

The shifting isn't completed yet, and there are still some gaps. The chemical branch formerly was in the Production Division, but now is in the Division of Materials. But there is also a chemical unit of considerable size in the new Division of Civilian Supply, recently carved off OPACS and given to OPM. Nobody in OPM seems to know what will happen to this group, least of all its chief, Larry Brown. For the moment it is working on nondefense chemical problems, while the old OPM chemical staff attends strictly to defense work. Maybe they will be united, maybe they won't; it's just one of those things that hasn't been decided yet. Also, Civilian Supply Division had a fuel section when it came to OPM, and the new order doesn't say whether it is to keep it or not. This section has a big staff working chiefly on the gasoline allocation order issued at the request of Petroleum Coordinator Ickes.

Antiseptic Hazards

Antiseptic means something that kills germs, and the standard way of measuring the value of an antiseptic has been to raise a batch of germs on choice chicken consomme, dump in a batch of the stuff, and count the germs that kick up their heels. But the Food and Drug Administration thinks this is not enough, and is trying out a new method. It reasons that the value of an antiseptic is not only its power to slay the bugs but equally, or more so, its effect on the human tissues where the microbes normally live, move, and do their dirty work. It suspects that often the cure is worse than the disease, and that some antiseptics now on the market injure the tissues as much as the germs they kill. It is experimenting with methods designed to evolve a standard of minimum and maximum injury to tissues. The experts aren't ready to talk about it yet, but if it works out as they hope there may soon be changes in regulations for labeling antiseptics which may play havoc with some preparations now on the market.

Price Control Is

The price-control bill still languishes in congressional committee, but some people who reason that OPA consequently has no power to enforce its ceilings have learned otherwise to their sorrow. There are ways and ways of enforcing government decisions these days, all in the name of defense and the national emergency, and without too much concern over ultra vires, venu, and the other technicalities that the lawyers play around with in normal times. One firm is in Federal court right now because it thought an OPA chemical price ceiling was just so much stuff. The Department of Justice recalled that cornering the market to create an artificial scarcity is the oldest form of illegal monopoly under the common law—so old it goes by archaic names like forestalling and regrating. So this concern is now facing a Sherman act charge even though it didn't conspire with anybody else in restraint of trade. Another wise guy got hold of a couple hundred barrels of a much-needed chemical, buying it above the OPA ceiling and holding it for a lot more. OPA found out about it—don't ask how—and through a remarkable coincidence this man got a mandatory order to sell exactly his entire stock to the army at ceiling prices. He now knows OPA means business, but it's too late, he's out of business.

Home-Building Ban

Business construction is in for a jolt when OPA issues its housing priority order, probably in a very few days. Order is whispered as practically eliminating private home construction except for low-cost dwellings for defense workers in few very badly congested centers—and not nearly so much defense housing as the New Dealers want. The housing priority ball has been tossed back and forth among government agencies for three months, but under the new SPAB (Don Nelson) tough priority policy it is about to come to rest—much deflated. Defense Housing Coordinator Palmer thought he was going to be the grand czar of all housing; that he would decide what and where homes would be built and of what material; and that priorities division would enforce his dictates. But the new priorities division feels that since it has the powers it will make the decisions. And the report is it has decided that precious little construction of any kind can be carried on if it requires any of the materials needed for defense.

New Hunt for Alcohol

Alcohol may fall in the class of "too little and too late," supposedly characteristic of democratic action, unless the powers that be reach a decision soon. The army uses enormous quantities for making powder and other purposes, and civilian uses are climbing, so a shortage looms. The Army and Navy Munitions Board made a survey a while ago. Now OPM materials division is making one. So is OPM civilian supply division. So is OPA (presumably to crack down on price increases). Army worried because most alcohol is made from imported raw material (Caribbean blackstrap molasses), asked that domestic materials be used, in part. Agriculture department offered large quantities of stored corn, suggesting that whisky distillers make alcohol. But, nothing has been done except to make surveys and hold conferences. For years the government spent millions of dollars trying to keep people from making alcohol, only to learn it could be made on any mountainside and in any cellar. Now that alcohol is so scarce it is under full priority control and all users are hollering for more it woud seem the government might promote a "cottage industry."

Totalitarian Trade Trends

Foreign trade is now virtually a government monopoly, and some of the less starry-eyed, more practical old hands at the export business among the government officials are no little concerned over this. Presumably—but it's not guaranteed—the United States government will remove its controls when the emergency is over, but foreign governments might find it expedient to continue the system now forced upon them. Individual importers in foreign countries, particularly Latin American, are practically out of luck when they apply for priority orders and export licenses to get needed materials here, but they are discovering that they can get the stuff if they club together, go to their government, and send a request via their Ambassador in Washington through the red tape of the Department of State, Administrator of Export Control, Economic Defense Board, SPAB, and the Priorities Division of OPM. The foreign government thus becomes the importer, and spreads the goods around among its nationals as it thinks proper. Such a system might well have a certain appeal to foreign governments not above using dictatorial methods to retain political power—though it's a violation of the Good Neighbor policy to suggest that there ever have been or might again be such in this hemisphere. It looks much like the totalitarian system of conducting foreign trade, against which we are supposed to be inoculating our Southern neighbors.

Paper Brightness Curtailed

A chlorine diet has been prescribed by OPM for the pulp and paper industry, with the result that some paper is going to look rather mussy. The amount of chlorine the industry may use will hereafter be based on standards of brightness, and new instruments known as "brightness testers" are being developed for the purpose. A "directive" issued this week prevents manufacturers from making their paper brighter than before, restricts bleached sulphite and sulphate pulps to "76 brightness" and soda pulp and waste paper pulp to "74 brightness." No pulp or paper maker may use more than 80 percent of the amount of chlorine he used on the average during the first six months of 1941 in bleaching rag stock nor more than 70 percent of this average in the manufacture of semi-bleached grades. There are exemptions for high alpha pulps, dissolving pulps, nitrating pulps, and pulps in which chlorine is used as a processing rather than a bleaching chemical. Mills making their own chlorine are restricted equally with those which purchase. Another directive is being prepared which will cut down still further the use of chlorine in paper-making. Titanium dioxide is being studied—and used—as a whitener.

What for, This Palm Oil

Palm oil, it is said, could be used as fuel for diesel engines. Palm oil, it is further said, is being stored in huge quantities at Dakar, though this staple product of French West Africa is in big demand in France itself and elsewhere in the world. Can it be, ask armchair strategists, that Vichy-France, under Nazi orders, is stocking palm oil at its Dakar naval base so German submarines can refuel there, athwart the South Atlantic chipping lanes?

Chlorine and Saltcake From Salt and Sulphur

The new method requires no electric power or any other fuel. The process will also make the United States self sufficient in salt cake, which before the present war was imported from Germany in quantities amounting to 40 percent of this country's total industrial consumption. The report was made to the American Chemical Society by A. W. Hixson and A. H. Tenney, both of Columbia University.

Developed in the Columbia chemical engineering laboratories, the process requires that sulphur be burned in air to produce dry sulphur trioxide gas in the same way that sulphuric acid is made. When this gas is thoroughly infiltrated through salt, a material is derived, which, when heated, produces salt cake and chlorine simultaneously.

The heat created by the burning sulphur or by the reaction of sulphur trioxide gas on salt is greater than the amount needed to produce the salt cake and chlorine. Commercial utilization of this process will provide a cheap supply.

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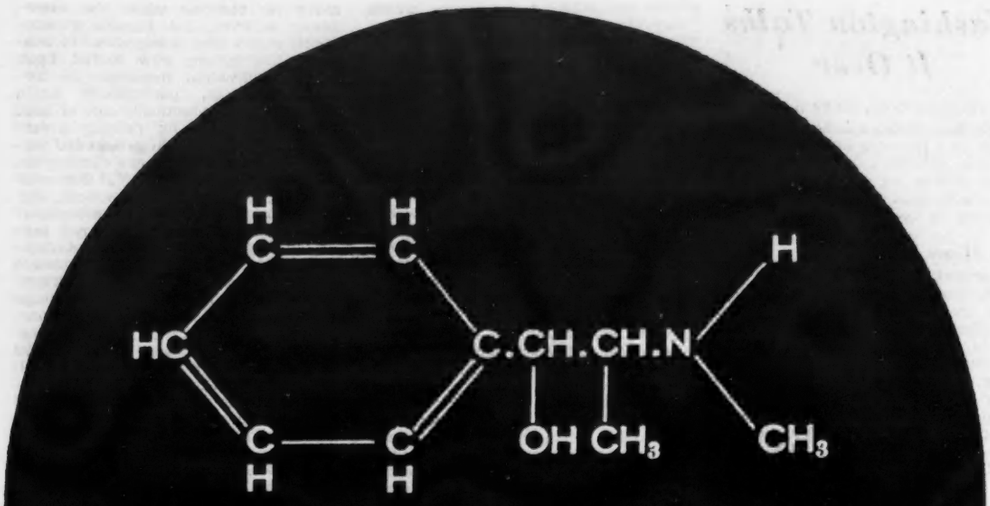

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Literature on Request

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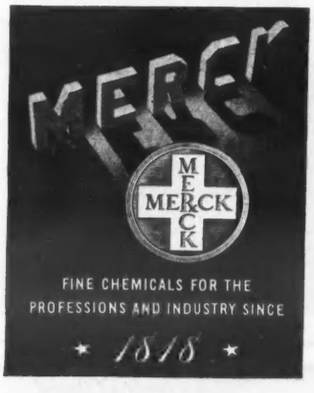

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Drugs, Fine Chemicals

Group B Methanol and Methyl Acetone Producers Name Higher Prices for October 1—Blackstrap Values Rising—Halibut Liver Oil Up — All Glycerin Advanced

Methanol and methyl acetone moved front and center last week when a producer of natural methanol announced an advance of prices to become effective October 1. Makers of synthetic methanol confirmed unchanged prices, and no change had been made by other makers of the natural material at a late hour in the period.

Other price developments during the period under review were higher values in a much stronger blackstrap molasses market and rising values on halibut liver oil. All tartar products showed pronounced strength, but lacked further rise beyond the points reached in the advance named in the previous trading period. Glycerin was up sharply.

A slightly cloudy figure was thrown on the ground glass of other solvents. Something appeared to be cooking, notwithstanding the recent statement made by the Office of Price Administration to the effect that changes in prices were unlikely for third quarter business in methanol, methyl acetone, ethyl acetate, normal and secondary butyl alcohol and acetate, dibutyl phthalate, ethyl alcolhol, and isopropyl alcohol.

Acetanilide.—Firm and normally active. Not a suggestion of a possibly easier situation.

Acetophenetidin.—In good request. Prices based on a strong position of raw material.

Acid, Boric.—Active. Strong. Not too plentiful.

Acid, Citric.—Resale down 8c. Makers adhere to strong, stabilized price schedule. Demand excellent.

Acid, Gallic.—N. F., in fine request. Strongly held prices. Supply not too plentiful.

Acid, Lactic.—U.S.P. in excellent demand. Firm to stronger undertones prevail.

Acid, Nicotinic.—Prices steady. Deliveries improved. Demand running to excellent volume.

Acid, Tartaric.—Strong at late advance. Resales at 72c. per pound. Producers' minimum, 70½c. Resellers have hard time getting export permits.

Alcohol.—Strong market. Demand outrunning and outdistancing supply. Little chance for reversal of trend. Careful apportionment of output prevails.

Bismuth Metal and Salts.—Price stabilization sought. Metal producers show every indication of holding values. Demand and supply in close competition.

Borax.—Moving in heavy tonnage at strong prices. No surplus of stocks. Ready market for every ton produced.

Bromine and Bromides.—Situation regarding prices still lacks total clarification. Question of discounts noted. Values strongly maintained. Demand at high volume, specially for bromine.

Butyl Acetate.—Demand at high levels. Supply not measureably increased in relation to the gain in requirements.

Butyl Alcohol.—Strong undertones. Needs of consumers at high levels. Supplies behind requirements of buyers.

Cadmium.—Outlook for stabilization of prices excellent. Outlook for increase in stocks more adequately to meet demands not so good.

Castor Oil.—Producers widen differential between tanks and drums to ¾c. per pound. Market definitely strong. Beans well maintained.

Chicago, Sept. 10.—Castor oil strong, active. Prices are:—Cold pressed, U.S.P., returnable drums, car lots, 12¼c. per pound; drums, less than car lots, 13c.; tanks, 11⅜c.; No. 3, extracted, returnable drums, car lots, 11⅜c.; drums, less than car lots, 12¾c.; tanks, 11⅛c.

Cocoa Butter.—Prices firm. Expanding demand keeps tendency upward.

Codliver Oil.—Firm to strong undertones. June imports as follows:—

	Gallons.
Iceland	141,017
Canada	869
Newfoundland and Labrador	9,909
Japan	74,423
Total	226,216

Price Changes

Advanced

Glycerin, c.p., 5c. per lb.
heavy gravity, 5½c. per lb.
soapiye, 5c. per lb.
saponification, 5c. per lb.
Halibut liver oil, $2.50 per gal.
Methanol, group B (Oct. 1), 10c. per gal.
Methyl acetone, group B (Oct. 1), 10c. per gal.
Molasses, blackstrap, 2c. per gal.

Reduced

None

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
222.9	222.7	221.6	204.4

Market news that may have developed after this report was sent to press will be found on page 4.

Formaldehyde

Formaldehyde sells under a price-roof set up and nailed fast by the Office of Price Administration. The ceiling presumably is based on methanol at 30c. per gallon, but there are at least three basic methanol prices and the material has still to be given the benefit of a price-congealment edict by OPA. Furthermore, at least one group of methanol producers already has announced a 10c. price rise, effective October 1.

What is the methanol base price? That depends on what methanol is quoted by whom. Pure synthetic is 30c. per gallon. Pure natural is 40c. (and will be 50c.) with some producers, and is 75c. with others.

The formaldehyde ceiling is 4¼c. per pound in tanks while the current minimum quotation of producers is 4c. The ceiling goes to 9½c. depending on quantity.

The World War I formaldehyde price ceiling was 16¼c. per pound, fixed by the War Trade Board in June, 1918, and was based on natural methanol at 97½ per gallon, a price fixed by the Board in March, 1918, before which methanol had been $1.35.

If OPA were to keep current methanol and formaldehyde prices in their June, 1918, relationship, methanol would be around 25c. per gallon if formaldehyde were 4¼c. per pound.

Production of formaldehyde in 1940 totaled 180,884,573 pounds, according to the United States Tariff Commission. In 1914, production was 8,426,247 pounds. Methanol produced in 1940 totaled 50,262,467 gallons. In 1914, output was about 7,000,000 gallons of crude.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association meetings:—

DCAT Meeting, Skytop, Pa., Oct. 23-25.

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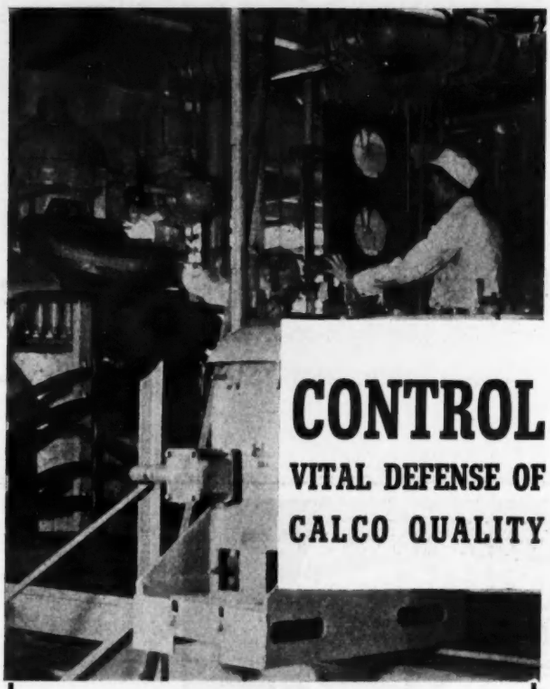

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Diethylamide of Nicotinic Acid (Nikethamide)
Methylene Blue U.S.P. (Powder—Crystals)
Sulfanilamide U. S. P.
Calcium Mandelate
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Fish Liver Oils.—Halibut oil up to $38.50 per gallon. Strong, active market. Stocks not too plentiful.

San Francisco, Sept. 10.—Catch of California sharks continues light. Extractors realize they face a definite shortage of A vitamins. Tuna liver supplies blocked by disruption between Japan and United States trade. The D shortage is serious. Prices largely guesswork and nominal.

Soupfin Shark Liver Oil, Crude.—High potencies, 100,000 to 150,000 U.S.P. units vitamin A per gram, 14c. to 15c. per million units. 75,000 to 90,000 units, 12c.; 50,000 units, 11c.; 25,000 units, 10½c.; lower potencies, upwards of 10,000 units, 10c.

Tuna Liver Oil, Crude.—Ranging in potency, 20,000 U.S.P. units vitamin D per gram, 65c. to 70c. per million units.

Formaldehyde.—OPA price ceiling, minimum at 4¼c. per pound, compares with World War U. S. fixed price of 16¼c. per pound. Talk heard about probable ceiling being put on methanol.

Glycerin.—Market split. C.P. prices advanced 5c. per pound. New price in tanks, 19¼c. per pound. Drums, car lots, 19½c.; less car lots, 20c. Quotations not in line with prices paid for crude supplied by non-refining soapers. Non-refining soap makers getting 18c. per pound for soaplye. Refiners who are not soap makers quote 25c. for refined, l.c.l., drums. The 5c. rise announced in Chicago. Some refiners tend to withdraw from market. Believed that OPA must eventually stabilize price for crude.

Chicago, Sept. 10.—Prices on C.P. up 5c. Heavy gravity up 5½c. C.P. and heavy gravity now as follows:—Tanks, 19¼c. per pound; drums, car lots, 19½c.; less car lots, 20c.

Menthol.—Strong prices. Stocks below normal. No chance of importing from Japan now. Import from China difficult. Heavy pressure for domestic synthetic. Cost of raw material used for synthetic rising steadily.

Mercurials.—Steadier raw material market tends to stabilize mercurials prices. Demand excellent, especially for red oxide.

Methanol. — Group B producers natural methanol announce 10c. price advance, all grades, effective October 1. Prices, pure, tanks:—Zone 1, 50c. per gallon; zone 2, 52c.; zone 3. 54c.; zone 4, 54½c. Drums, car lots, zone 1, 55½c.; zone 2, 57½c.; zone 3, 59½c.; zone 4, 61½c.; less car lots, zone 1, 58½c.; zone 2, 75½c.; zone 3, 62½c.; zone 4, 75½c. Denaturing grade, 55c. Group A producers hold 99 percent goods at 60c. per gallon. Pure at 75c., nominal, with only very small lots available. Synthetic still basic at 30c. per gallon, Zone 1.

Methyl Acetone.—Group A producers raise prices 10c., October 1. Market: Tanks, Zone 1, 60c. per gallon; zone 2, 62c.; zone 3, 64c.; zone 4, 64½c.; drums, car lots, zone 1, 65½c.; zone 2, 67½c.; zone 3, 69½c.; zone 4, 71½c.; less car lots, zone 1, 68½c.; zone 2, 85½c.; zone 3, 72½c.; zone 4, 85½c. Other producers unchanged.

Monthly statistics production of crude and synthetic methanol, almost the entire output of commodities in the United States, released by Director J. C. Capt, Bureau of Census, Department of Commerce, follow:—

Production

	Gallons			
	1941		1940	
	*Synthetic.	†Crude.	*Synthetic.	†Crude.
Jan..	3,420,013	449,529	3,452,77	437,271
Feb..	3,170,636	435,079	3,782,402	446,815
Mar..	3,672,880	454,817	3,462,946	506,937
April.	3,608,328	463,013	3,486,233	441,888
May..	4,423,159	466,235	3,408,517	433,883
June.	4,662,744	436,124	3,426,100	423,578
July..	4,724,688	417,377	3,851,669	390,004
Tot.	29,725,772	3,122,174	24,870,544	3,105,376

* Revised. Not strictly comparable with figures for earlier years.
† Refined equivalent would be approximately 85 percent of the crude production.

Wood Carbonized

	Cords	
	1941.	1940.
January	47,502	44,323
February	43,401	44,927
March	47,672	47,781
April	45,713	44,617
May	49,077	45,667
June	45,939	42,961
July	45,420	41,634
Totals	325,024	311,910

Methylethyl Ketone.—Nothing yet on prices for next quarter. Market strong. Stocks moderate. Demand high.

Molasses.—Blackstrap higher at 11c. Gulf ports, and 11½c. North Atlantic ports. Strong market.

Quicksilver.—Firm over the range $192 to $195 per flask. Market calmer. Trend evidently more favorable for buyers. Spot stocks limited. Mine production well engaged.

San Francisco, Sept. 10.—Government released further lots of contracted quicksilver. Upwards of 1,500 flasks put on the market here. Sold into consumption at reported figure of $190 per flask. Delivery expected to be completed within 90 to 100 days. Small lots spot metal reported sold $191 to $192 per flask. Buying interest active. Market very firm.

Quinine. — Demand showing seasonal pickup. Buyers covering late Fall and early Winter needs. Producers and first-hand sellers reserved. Confine sales to actual requirements of buyers.

Rochelle Salt.—Lacking further advance. Strong. Second-hand prices unchanged.

Saccharin. — Strong market. Open market orders often unfilled. Secondhands getting price premium. Producers reserved.

Salicin.—Very firm. Demand conventional but steady. Prices well supported.

Santonin.—Strongly held. Reserves not too ample. Practically no local competition.

Seidlitz Mixture. — Advance maintained strongly. Demand excellent. Secondhands hold unchanged prices with not too much material available.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	24	34¾	23½
Monday	24	34¾	23½
Tuesday	24	34¾	23½
Wednesday	24	34¾	23½
Thursday	24	34¾	23½
Friday	24	34¾	23½

Soda Glycerophosphate.—Recent advance accompanied some gains in consuming demand. Market definitely firm to strong.

Soda Mandelate.—Demand excellent. Takings above normal. Very firm market.

Strychnine.—Higher cost raw material not reflected in general strychnine schedule. Firm to strong undertones. Demand normal.

DCAT Luncheon Sept. 25 to Hear Conger

Beach Conger, foreign correspondent of the *New York Herald Tribune*, will address a luncheon meeting of the Drug, Chemical and Allied Trades Section of the New York Board of Trade, September 25, at the Hotel McAlpin, at 12:30 P. M. Mr. Conger will talk on "Covering the News in Europe." Reservations for the luncheon may be secured from John C. Ostrom, Secretary, 41 Park Row. Single tickets are $1.50 and special tables of eight may be reserved at $12.

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FROM AWNINGS TO PARACHUTES

★ In the present emergency, no manufacturer knows when he will be called on to serve his country. Overnight, an awning maker may be requested to switch all his facilities to turning out parachutes in large volume. A radio manufacturer may be asked to produce field telephones. Even those whose responsibilities will never directly involve defense must learn quickly to work with new methods, new processes, new chemicals to replace those not readily available.

To manufacturers faced with these and other problems which involve chemicals or the application of chemicals, Du Pont offers the assistance of its Technical Service staff.

With our background of experience and research, we may be able to suggest possibilities you have not yet considered. Naturally, there are situations where little or nothing can be done at present. When in our opinion such a condition exists, we will frankly tell you so.

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McCormick Heads Group On Army-Navy Recreation

Baltimore, Sept. 5, 1941

Charles P. McCormick, president of McCormick & Co., extracts, disinfectants and spices, has been appointed head of the regional council of the Citizens' Committee for Army and Navy, Inc., created to boost the morale of the armed forces by providing recreation and entertainment for service men. The committee is interested in providing recreation and entertainment in the camps.

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Cuban Trade Pact Drug Concessions Unopposed

—Continued from page 5

provided for; present rate of duty (applicable to Cuban products), 20 percent ad valorum.

U. S. Tariff Act of 1930, paragraph 23; description of article, chemicals, drugs, medicinal and similar substances, whether dutiable or free, when imported in capsules, pills, tablets, lozenges, troches, ampoules, jubes, or similar forms, including powders put up in medicinal doses; present rate of duty (applicable to Cuban products), not less than 20 percent ad valorum.

U. S. Tariff Act of 1930, paragraph 34; description of article, drugs of animal origin which are natural and uncompounded and not edible, and not specially provided for, but which are advanced in value or condition by shredding, grinding, chipping, crushing, or any other process or treatment whatever beyond that essential to the proper packing of the drugs and the prevention of decay or deterioration pending manufacture, and not containing alcohol; present rate of duty (applicable to Cuban products), 8 percent ad valorum.

Farm Alcohol Subsidy Asks $100,000,000 Fund

—Continued from page 3

sugar beets, apples, peaches, pears and grapes. The measure was referred tb the senate committee on agriculture and forestry.

A semi-commercial plant for production of motor fuel from farm products has been practically completed at the U. S. Department of Agriculture's Northern regional research laboratory at Peoria, Ill. This so-called pilot plant is capable of producing 500 gallons of alcohol daily. Not only will the Northern laboratory study the ways of manufacture of these special motor fuels, but will also study performance of the fuels in engines. The usual laboratory work will be continued in an effort to develop new fundamental facts in the production and use of alcohol and other materials with motor fuel possibilities. At Peoria the first pilot plant work will be on corn, followed by work on sweet-potatoes, white potatoes, wheat and other carbohydrate crops.

Walgreen Company, Chicago, August sales amounted to $7,249,741, against $6,280,851 in the like month last year.

Charles J. Thomas, secretary-treasurer of the South Bend Wholesale Drug Company, has been made a director of the First Bank & Trust Company, South Bend, Ind.

Midgley Receives Priestly Medal

—Continued from page 3

for his cooperation in the problem of the recovery of bromine from seawater.

Dr. Folkers Honored

Dr. Karl August Folkers, of Merck & Co., Rahway, N. J., was presented with the American Chemical Society $1,000 award in pure chemistry. This award is made annually for outstanding research in pure chemistry by a man or woman less than thirty-six years of age.

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Bids Wanted

—*Continued from page 4*

Hydroquinone:—1,000 pounds; Commanding Officer, Army Air Corps, Sacramento, Calif.; procurement 68, opening September 22.

Lime, Chemical:—50,000 pounds; Quartermaster Corps, Purchasing and Contracting Office, Fort Benning, Ga.; invitation 148-38, opening September 20.

Mineral Spirits:—4,000 gallons; Commanding Officer, Picatinny Arsenal, N. J.; procurement 424, opening September 16.

Paraffin Oil:—10,000 gallons; Commanding Officer, Picatinny Arsenal, N. J.; procurement 476, opening September 29.

Petrolatum: — 2,250 sixteen-ounce cans; Procurement Division, Treasury Department, Washington, D. C.; invitation 817-83, opening September 18.

Phosphorous, Red: — 1,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 459, opening September 22.

Rhodamine Toner: — 4,000 pounds; Purchasing Agent, Bureau of Engraving and Printing, Washington, D. C.; invitation BEP-185, opening September 16.

Scarlet Dye: — 200 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 448, opening September 19.

Soap, Laundry: — 100,000 16-ounce cakes; Army Quartermaster Depot, 1819 W. Pershing Road, Chicago, Ill.; invitation 199-107, opening September 17.

Sodium Bichromate:—10,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 482, opening September 24.

Sodium Hyposulphite:—2,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 450, opening September 17.
18,000 pounds; Commanding Officer, Air Corps, Sacramento, Calif.; procurement 70, opening September 24.

Soldering Flux: — 1,000 one-pound cans; Commanding Officer, Picatinny Arsenal, N. J.; procurement 465, opening September 22.

Sulphuric Acid:—10,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 481, opening September 23.

Tin, Pig: — 30,000 pounds; Commanding General, Rock Island Arsenal, Ill.; circular 615, opening September 17.

Zinc Dust:—180,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; invitation 20, opening September 17.

Defense Contracts Recently Awarded

Chemicals, oils, drugs, and related products required in connection with the program for national defense have recently been contracted for by the army and other governmental agencies to September 10 as follows:—

Army Air Corps

Engine Fuel:—$37,287, Standard Oil Company of California, San Francisco.

Fuel and Oil:—$246,586, Shell Oil Company, San Francisco.

Army Medical Corps

Phenolic Disinfectant: — $150,264.50, Lehn & Fink Products Corporation, Bloomfield, N. J.

Soap:—$47,850, Schaeffer Bros. and Powell Manufacturing Company, St. Louis, Mo.

Sulphathiazol:—$25,360, Parke, Davis & Co., Detroit, Mich.

Army Ordnance

Drawing Compound:—$7,600, Armour & Co., North Bergen, N. J.

Explosives:—$204,653.14, Olin Corporation, East Alton, Ill.

Army Quartermaster Corps

Wax, Ski:—$32,014.14 (68,996 pounds), F. H. Weissner, Inc., Paterson, N. J.

Chemical Warfare Service

Monochloroacetic Acid:—$44,800, Dow Chemical Company, Midland, Mich.

Tennessee Valley Authority

Ferrous Sulphate:—$14,002.50, Faesy & Besthoff, Inc., New York.

Treasury Procurement Division

Ammonia, Anhydrous:—$27,071.50, Armour & Co., Ammonia Division, Chicago, Ill.

Vanadium Catalyst:—$48,125, Monsanto Chemical Company, St. Louis, Mo.

Oil:—$1,512, Pure Oil Company, Marcus Hook, Pa.

Sulphuric Acid:—$1,600, Charles Lennig & Co., Philadelphia.

Tin, Pig:—$11,098, Pope Trading Corporation, New York.

Army Quartermaster Corps

Calcium Hypochlorite: — $18,562.50, Mathieson Alkali Works, New York.

Chemical Warfare Service

Phosphorous, White:—$120,000, Victor Chemical Works, Mt. Pleasant, Tenn.; $193,750, Monsanto Chemical Company, Monsanto, Tenn.

Sodium Bicarbonate: — $14,865, Unity Sanitary Supply Company, New York.

Sulphur Monochloride:—$33,000, Dow Chemical Company, Midland, Mich.; $31,560, Hooker Electrochemical Company, Niagara Falls, N. Y.; $24,012.80, Niagara Smelting Corporation, New York.

Post Office Department

Enamel: — $12,911, Patterson Sargent Company, Cleveland, Ohio.

Treasury Department

Acetone: — $1,702,400, Shell Chemical Company, San Francisco.

Barytes:—$12,500, Geo. S. Mepham Corporation, East St. Louis, Ill.

Glycerin: — $376,320, Lever Brothers Company, Cambridge, Mass.; $23,394.56, The Celina Stearic Acid Company, Celina, Ohio.

Paratertiarybutyl Phenol:—$22,960, Dow Chemical Company, Midland, Mich.

Paratertiaryphenyl Phenol:—$13,200, Dow Chemical Company, Midland, Mich.

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Swiftly running undercurrents kept the surface of the local botanical drug market agitated throughout the past week. Activity was excellent on the whole and prices showed in most instances definite commitment in the direction of higher levels.

Demand clearly showed that moderate stocks alone were to be expected during the consuming year spreading ahead. Although the four corners of the world have been and still are combed for botanicals no longer obtainable in normal primary markets, results have been gratifying only in the sense that something is always better than nothing, however small "something" may be.

An interesting angle in the market was the fact that well-to-do drug men, refugees from the central European crude drug areas, are turning up in numerous South American countries. An example of this may be found in Argentina in connection with purchases of stramonium leaves in that market. Men of that type know American drug requirements, and their presence makes purchases safer and more satisfactory to a considerable extent. Incidentally, stramonium offerings were made from Guatemala and Colombia during the period reviewed. Also, some laurel leaves of dubious quality.

The market closed as it began—strong in undertone, active in demand, and tending upward in price.

Balsams

Copaiba.—Moving well at full prices.

Fir.—Optical manufacturers using substantial quantities Canadian material. Strong market.

Barks

Cascara.—Business on Coast reported at 15½c. per pound. Strong, sustained market.

Elm.—Warrants closer watching. Prices unchanged. Expected to rise. Inquiries and orders up.

Sassafras.—Stronger. Activity expected to be substantial when season of consumption opens. Stocks conservative.

Wild Cherry.—Definitely on the stronger side. Collection made at advanced cost to collectors.

Beans

Tonka.—Very firm, mainly because of high and uncertain transportation costs and sailing of ships.

Vanilla.—Strong as ever. Even stronger because of the cribbed, cabined and confined supply of unsold beans.

Berries

Cubeb.—Rising request finds prices strong. Stocks decreasing.

Juniper.—Little available in open market. All users drawing on reserves.

Ergot

Ergot—the unpredictable. In the first two years of World War No. 1, prices advanced but 8c., reaching 73c. per pound.

In the two years of World War No. 2, just completed, the price has risen 65c., resting now at $2 per pound.

At the armistice of Nov. 11, 1918, the market was $1.20 per pound. Yet in December, 1919, with the pressure of war removed, the price was $5.

The 1939 imports totaled 97,770 pounds, coming from seven countries:—Portugal with 66,302 pounds, and Poland and Danzig, United Kingdom, Hungary, Spain, Germany, and Rumania of importance in the order named.

In January-June, 1941, imports totaled 109,874 pounds coming from three countries with Portugal at 58,091 pounds, Hungary at 240 pounds, and Poland and Danzig, 120 pounds.

Ergot—the unpredictable. Note the imports prior to 1939. Whatever happened to ergot consumption in 1939?

	Pounds.
1939	97,770
1938	144,761
1937	241,443
1936	237,785
1935	251,400
1934	208,776
1933	339,749
1932	197,980
1931	287,017

Price Changes

Advanced

Buchu leaves, 5c. per lb.
Coriander seed, ½c. per lb.
Dill seed, ½c. per lb.
Gentian root, whole, 2c. per lb.
ground, 2c. per lb.
powdered, 2c. per lb.
Ginger root, African, ¼c. per lb.
Jamaica, bold, 6c. per lb.
medium, 6¼c. per lb.
bright grinding, 1¼c. per lb.
Orris root, Florentine, 25c. per lb.
Poppy seed, Dutch, 2c. per lb.
Indian, 1¼c. per lb.
Pepper, black, Lampong, ¼c. per lb.
Pyrethrum concentrate, 15c. per gal.
Senna leaves, T.V., No. 3, 1c. per lb.
Sunflower seed, poultry, ½c. per lb.

Reduced

Areca nuts, powdered, 1c. per lb.
Allspice, Mexican, 1½c. per lb.
Celery seed, Indian, 2c. per lb.
Cassia, Saigon, 4-10-4, 1½c. per lb.
10-6-2, 1¼c. per lb.
all thin, 1¼c. per lb.
Laurel leaves, Portuguese, 2c. per lb.
Mustard seed, Montana yellow, 2½c. per lb.
Pepper, red, chillies, Japanese, 1c. per lb.
Mombassa, ½c. per lb.
Pimento, Jamaica, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
278.2	277.8	278.8	194.1

Market news that may have developed after this report was sent to press will be found on page 4.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags—Detained.	Bags—Entered.
Anise	190	2,161
Belladonna	19	25
Caraway	...	207
Cardamom (cases)	10	1,761
Celery	35	1,740
Coriander	16,396	31,549
Cumin	3,101	12,590
Digitalis leaves (cases)	...	...
Dill	3,118	16,626
Fennel	210	2,249
Henbane leaves (bales)	150	170
Mustard	...	9,449
Poppy	486	3,153
Sage leaves (bales)	1,203	6,422
Sesame	3,349	6,400
Stramonium	...	...
Thyme	915	2,325

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

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✓ANISEED
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✓ASAFOETIDA GUM
✓BENZOIN GUM
✓BUCHU LEAVES
✓CALAMUS ROOT
✓CUDBEAR
✓CINCHONA BARK
✓COCILLANA
✓DAMIANA Select
✓DERRIS
✓DIGITALIS (116% Active)
✓DOGGRASS CUT
✓ERGOT (140% Active)
✓EUPHORBIA PIL.
✓FENNEL SEED
✓GALANGAL ROOT
✓GINGER
✓GUAIAC GUM Glassy
✓HAWTHORNE BERRIES
✓HOREHOUND
✓INSECT FLOWERS
✓IPECAC ROOT
✓IRISH MOSS
✓KOLA NUTS
✓MYRRH GUM
✓OLIBANUM GUM
✓ORANGE PEEL
✓ORRIS ROOT
✓PAPAIN
✓PEPPERMINT
✓PSYLLIUM SEED
✓QUASSIA
✓QUINCE SEED
✓RHUBARB ROOT
✓SARSAPARILLA
✓SENEGA ROOT
✓SENNA LEAVES
✓SQUILLS
✓STRAMONIUM
✓UVA URSI
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Flowers

Arnica.—It was nice when they were available at 27c. back in August of 1939. At present, they are nominal around $5.

Chamomile.—Efforts to get cultivation of Roman flowers started not successful. Plenty of Hungarian style flowers available.

Pyrethrum.—Extract lower at $4.25 to $4.45 per gallon for 20-1 concentrate; 30-1, $6.45. Indicative of prevalent competition. Flowers reasonably easy.

Gums

Arabic.—Strong undertones. Market shows rising pulse. Will gum continue to arrive here is question asked but unanswered.

Karaya.—Shipping difficulties growing at source. Heavy call for cargo space. Room not readily available for this gum.

Tragacanth.—Path from primary market beset by war hazards. Plenty of gum bought to come forward. Will it get here? And when? Pending answers, importers and dealers sit tight in strong market.

Herbs and Leaves

Buchu.—Higher at 65c. to 70c. per pound. Tendency to make 70c. minimum noted. Transport costs rising.

Laurel.—Portuguese shaded to 25c. to 27c. per pound. Numerous inquiries noted for prices on domestic material.

Sage.—Almost but not quite nominal. Trifle of not especially wanted Spanish item reported at 45c. to 47c. per pound. Greek, $1 to $1.10.

Senna.—No. 3 fetching 10c. to 11c. per pound with little trouble. Future of T. V. item committed to strength and probable price risings.

Stramonium.—Guatamala goods offered here. Also, Columbia said to have some. Argentina continued to offer. Before war, Argentine shipped to Germany, according to one source.

Miscellaneous

Areca Nuts.—Powder shaded to 15c. to 16c. per pound. Maybe less on a bid.

Ergot.—Quoted $2 per pound. Might be shaded. Tendency toward price stabilization apparent.

Irish Moss.—Bleached moss brought 55c. per pound for prime quality, imported material, originating in normal primary market. Liverpool merchants not helping sales by producers in Eire.

Roots

Angelica.—Two kinds domestic root quoted. One at 50c. per pound. Another at $1.75 per pound. First thought to be akin to lovage root.

Gentian.—Higher. Whole, 72c. to 75c. per pound. Ground, 74c. to 76c.; powdered, 76c. to 78c. Sales made at outside figure.

Orris.—Florentine fetched $2.25 per pound during period reviewed. Powdered, $2.50. Both nominal.

Rhubarb.—Steady to firmer. Fair demand.

Senega.—Undertone and strength continued.

Seeds

Celery.—Higher at 11½c. to 12c. per pound.

Dill.—Raised to 8½c. to 8¾c. per pound.

Mustard.—California yellow up to 13½c. to 14c. per pound. Montana yellow down to 10c. to 11c.

Poppy.—Dutch seed higher at 46c. to 48c. per pound. Indian higher at 9¼c. to 9¾c.

Sunflower.—Poultry grade from Argentina higher at 5c. to 5½c. per pound.

Spices

Allspice.—Mexican pimento down to 11½c. to 12c. per pound.

Cassia.—Saigon No. 1, 4-10-4 down to 35c. to 35½c. per pound; 10-6-2, 35¼c. to 35¾c.; all thin, 37c. to 37½c.

Ginger.—African higher at 28c. to 28½c. per pound. Cochin sold at 24c. to 24½c. Jamaica bold jumped to 40c. to 41c. per pound; medium bold, 36½c. to 37c.; bright grinding, 35½c. to 36c.

Pepper.—Black Lampong up to 6.30c. to 6.50c. per pound. Japanese chillies, down to 27c. to 27½c.; Mombassa, 23½c. to 24c.

Trading in black pepper futures on the New York Produce Exchange from September 6 to September 12, inclusive, comprised 234 contracts. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
March	6.63	6.40	6.38@6.42
July	6.77	6.58	6.58@6.62
September	6.38	6.28	6.18@6.23
December	6.51	6.22	6.30@6.32

Pimento.—Reduced to 20½c. to 21c. per pound. September shipment, 19½c. October, 18½c. Mexican spice, 11½c. to 12c.

Penick & Co. Holds Two Day Sales Meeting

—*Continued from page 4*

sr., president of the company who gave an analytical, forward-looking exposition of a subject that may well be the center on which all future prosperity of the company may depend.

General sales policies that must now be followed, as against the operation of business under normal circumstances was a subject to which S. B. Penick, jr., vice-president, addressed himself. He pointed out the reasons why an aggressive sales policy had given way to a more conservative approach to the distribution of stocks into consuming channels. The need to conserve supplies by selling in quantities no larger than permits reserves to serve all customers was stressed. Mr. Penick also discussed the general price structure.

Problems affecting factory operations under war-born conditions were presented by Albert Penick, vice-president in charge of production. Organization of plant operations with a view to securing increased efficiency was discussed.

Department heads addressing the meetings were:—William Bell, manager of the American crude drug department; Walter Bott, general sales promotion; Richard Van Saun Hillier, general sales work; Henry Interdonati, chemical division; George Krysak, spice division; Dr. Thomas Lewis, technical director; Harold Meyer, manager of the Chicago branch. Harold Noble, insecticide division; E. L. Schneider, office manager; M. C. Thode, fine chemical division, and Roy Zeno, gum division.

The sales convention ended on the social note, a dinner and theatre party completing the program.

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OIL of LEMON
CALIFORNIA COLDPRESSED

This delicious flavoring oil offers food and beverage manufacturers every possible advantage — true, tangy flavor, crystal clarity, high solubility and absolute uniformity. A product of American industry and enterprise, grown, cultivated and extracted under the most modern, sanitary conditions, it is no wonder that "Exchange" Brand OIL OF LEMON U S P outsells all other brands *combined* by the wide margin of *three to one!* 'Phone or wire for spot quotation . . . .

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FACTORIES AT CLIFTON, N. J. AND AUSTRALIA, FRANCE

Essential Oils, Aromatic Chemicals

Shrinking Stocks Raise Prices on Many Essential Oils —Replacement Uncertain and Only at High Cost—Aromatic Chemical Demand Heavy—Many Prices Nominal

Prices on essential oils continued their strong, upward swing throughout the past week. Accompanying the surge of demand was a steady lowering of stock-piles and a rising difficulty in securing replacement supplies. Primary market offerings were few, limited in size, high in price, subject to mounting transport costs, and definitely uncertain as to the time of probable arrival.

Aromatic chemicals bore the brunt of a demand expanding so rapidly and substantially as to make a total volume of business larger than the producers and suppliers could meet promptly. Almost every article in the list was in low reserve, and production has been engaged well ahead of manufacture. Prices were strong. Many materials were not quoted at all by the principal makers.

Strong and advancing articles included anise, cassia, cananga, and lemongrass—all from the Far East. Caraway, celery, coriander, and sweet almond oils, all produced here, but mainly from imported raw materials, sold at higher legels. Bois de rose from Brazil was up, and linaloe from Mexico was advanced.

Only dill weed oil, patchouli and peppermint oils were priced lower, and the declines in quotations were by no means general.

Essential Oils

Almond.—Sweet ture oil up to $1.80 to $1.85 per pound. Only limited stocks bitter oil available.

Anise.—Higher at $1.15 to $1.35 per pound as to seller. Strong here because of strength of import costs.

Bay.—West Indies markets showing renewed strength. Local demand little changed.

Birchtar.—Very firm. Replacement uncertain and not at all likely. Demand moderate.

Bois de Rose.—Higher at $3.65 to $3.75 per pound. Higher here in keeping with rising replacement cost.

Cade.—Replacements due from London.

Camphor.—Strong. Unchanged. Mostly nominal quotations. No oil forthcoming from Japan.

Cananga.—Higher. Native, $10 to $11 per pound; rectified, $11 to $12. Stocks shrinking. Arrivals uncertain and irregular.

Caraway.—Advanced to $12 to $12.50 per pound. Price trend persistently upward. Domestic distillation sole source of supply.

Cassia.—Rises to $5.75 to $6 per pound to keep and spot replacement prices in line. Strong, vitalized market. Stocks anemic.

Celery.—Stronger and higher. Market $30 to $35 per pound as to seller. Dwindling stocks not being replaced substantially.

Cinnamon.—High and strong prices at source. Offerings limited. Local stocks conservative.

Citronella.—Advance extended on Ceylon oil. Drums, $1 per pound, nominal; cans, $1.05. Little obtainable in Ceylon. Java firm at late advance. Range wider, being 85c. to $1 per pound.

Coriander.—Rising steadily as limited stocks pinch prices. Market $26 to $28 per pound.

Dill.—Few holders of seed oil. Market $6.50 to $6.75 per pound. Weed oil shaded to $5.75 to $6 per pound. New crop futures, $5.25.

Eucalyptus.—Not a trace of easier tendencies. Local demand good. Prices strong.

Ginger.—Shows strength in line with the high, strong raw material.

Lavender.—Local stock mostly of token order. Little on open market. All prices nominal. Spanish spike coming from London.

Lemon.—Excellent demand. Strong to firm undertones. No excess stocks available.

Lemongrass.—Sold at $1.90 to $2 per pound. Strong thereat. Small, well scattered stocks noted.

Lime.—Stocks conservative. New crop important. Prices hold strong upward tendency. Little expressed oil available.

Linaloe.—Spot held at $3.50 to $3.75 per pound. Stocks far under normal.

Origanum.—Spanish oil arriving here from London. Offered at $2.30 to $2.40 per pound.

Price Changes

Advanced

Almond, sweet, 5c. per lb.
Anise, 5c. per lb.
Bois de rose, 15c. per lb.
Cananga, native, 50c. per lb.
rectified, 75c. per lb.
Caraway, $1 per lb.
Cassia, 25c. per lb.
Celery, $2 per lb.
Citronella, Ceylon, 10c. per lb.
Coriander, $2 per lb.
Dill, seed oil, 75c. per lb.
Lemongrass, 5c. per lb.
Linaloe, 25c. per lb.

Reduced

Dill, weed oil, 25c. per lb.
Patchouli, 25c. per lb.
Peppermint, natural, 15c. per lb.
redistilled, 5c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
223.3	222.2	216.1	126.5

Market news that may have developed after this report was sent to press will be found on page 4.

Citronella Oil

No citronella oil, no domestic production of synthetic menthol. Hence, the Office of Price Administration explores the possibilities, probabilities, and the effect of a proposed allocation of citronella oil.

OPA also studies the matter of a price ceiling on oil, a ceiling wanted by menthol makers. Synthetic menthol gains importance because imports from Japan have stopped and imports from China become doubtful.

Price advances since September, 1939, have been severe. Java oil has risen 58c. to reach 85c. per pound. Ceylon oil is up 59c. and stands at 90c.

Imports during the January-June period, 1941, totaled 2,691,792 pounds—an average of 448,632 pounds per month. Total imports in 1939 were 2,744,140 pounds—an average of 228,678 pounds a month.

To the major problem of sufficient transport is added the buying by Great Britain at high and still higher prices. Weeks have gone by without local agents receiving firm offerings from their Ceylon and Java principals. The apparent preference given Britain is making a tangle of the future of synthetic menthol production in the United States. It is the snarl that the menthol makers, meeting with oil importers in the OPA office, sough to unravel.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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For Lemongrass Users
OIL LEMONGRASS
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Closely approximates Genuine Oil Lemongrass Native in odor and character. Its economy of use and quality make it ideal for perfume and odor coverage in laundry and toilet soaps, liquid soaps, polishes, insecticides, fly sprays, disinfectants and innumerable other products.
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Distillers of Essential Oils. Manufacturers of Aromatics, Perfume Bases, and Terpeneless Essential Oils.
Special Compounds for All Kinds of Soaps, Disinfectants, Sprays and Insecticides.
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EVEN when oil of citronella was low in price and easy to obtain, JAVONELLA was a reliable favorite. A great many manufacturers preferred its finer, cleaner odor, its uniform quality and consistent economy. And now that Citronella is high in price and difficult to get, JAVONELLA is more important than ever before.

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599 JOHNSON AVE., BROOKLYN, N.Y.
Branches in Principal Cities
Manufacturers of Aromatic Chemicals, Natural Derivatives, Perfume and Flavor Oils

Patchouli.—Shaded to $5.25 to $6.25 per pound, ruling as to seller.

Peppermint.—Down slightly, one quarter. Natural, $3.60 to $3.90 per pound. Redistilled, $3.95 to $4.15. No weakness among country holders.

Rosemary.—London stocks being transferred to spot. Some 10,300 pounds arrived; 3,000 more coming.

Sage.—Spanish oil offered at $2.10 to $2.20 per pound. Some 2,000 pounds arrived from London. No Dalmatian oil available.

Aromatic Chemicals

Anethol.—Raw material continues to rise. Anethol grows steadily stronger. Tendency upward.

Anisic Aldehyde.—Production cost rises steadily. Market strong in all respects. Demand good. Stocks moderate.

Benzaldehyde. — Situation lacking change. Still strong. Still under excellent demand. Stocks still behind requirements.

Citral.—Strong to stronger. Tending higher in price. In actually smaller supply. Production cost mounting.

Citronellal.—Sellers reserved. Unsold stocks moderate. Prices firm to stronger.

Citronellol.—Conditions favor continued rise in price. Raw material costs mount steadily. Demand excellent, supply subnormal.

Diphenyl Oxide.—Very firm. Market ready for everything offered. Prices still stable.

Eucalyptol.—Small lots held at strong prices. Raw material shows continued gain in strength.

Eugenol. — Very firm. Offerings moderate to strong, minimum prices.

Hydroxycitronellal.—Market oversold. Demand outstrips production. Deliveries delayed. Prices virtually nominal as to prompt delivery supplies.

Methyl Salicylate.—Fully firm in all respects. Heavy consumption of raw material on defense projects keeps output of methyl salicylate conservative.

Safrol.—Virtually nominal. Only small lots on open market. Sellers reserved. No gain in available supply.

Thymol.—Sellers forced to restrict sales to small lots. Nothing in excess of 25-pound lots considered. Some producers have withdrawn all offerings.

Toilet Preparations Wage On U.S. Work Now 40c.

—Continued from page 5

minimum established under the fair labor standards act by the Wage Hour Division.

The industry, as defined in the amended minimum wage determination, is as follows:—

1. Drugs or medicinal preparations (other than food) intended for internal or external use in the diagnosis, treatment, or prevention of disease in, or to affect the structure or any function of, the body of man or other animals.

2. Dentrifices, cosmetics, perfume, or other preparations designed or intended for external application to the person for the purpose of cleansing, improving the appearance of, or refreshing the person.

Manufacture or packaging of shaving cream, shampoo, essential (volatile) oils, glycerin, and soap, or the packaging without further processing of crude botanical drugs, is not included in the determination.

No objection or protest to the extension and amendment of the determination was filed with the Public Contracts Board.

Standard Synthetics Made Agent for F. Gutkind & Co.

Standard Synthetics, Inc., this city, has taken additional space at its location, 119 West Twenty-fifth street, as the result of being appointed agent for F. Gutkind & Co., of London, Eng.

The Gutkind company for years has featured sale of essential oils produced in Spain in which country its world headquarters was located until a few years back when conditions in Spain caused Mr. Gutkind to transfer operations to the British city.

Shipments of origanum, sage, and rosemary oils have been received, totalling 24,000 pounds. In the nearby future, spike lavender, cade, and rosemary totalling 33,000 pounds will be in the Standard Synthetic warehouse.

The London factory of the company reports business good despite the war. H. Barksfield, director and works manager of the London factory, advises that although many supplies are short, the factory is still manufacturing large quantities of geraniol, rhodinol, linalyl, acetate, and pepermint oil.

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TRUE ORANGE AROMA

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Petroleum Products

Tankcar Price of Solvents and Diluents Advanced in New York —Most Petroleum Products Very Tight—Crude Scale Paraffin Virtually Unobtainable—Coastwise Shipments Down in May

Prominent suppliers of petroleum solvents and diluents have advanced tankcar prices at New York, it was learned last week. The higher quotations had been foreseen, due to the tightness in the market and the heavy demand. The increases were made on lacquer diluent, mineral spirits, cleaners' and v. m. & p. naphthas and rubber and stoddard solvents.

The continued stringency of supplies of most other petroleum products remained the feature of the market during the period under review. The acute shortage in crude scale paraffin became more pronounced, and bids were going begging. Prospective buyers of light petroleum fractions, especially butane and propane, were scouring the trade, but were meeting with little success in obtaining their requirements. Petrolatums and white mineral oils were very tight. Natural gasoline and lubricating oils were advanced in the Midcontinent.

Coastwise shipments of petroleum and refined products from Gulf to Atlantic ports during May totaled 5,573,616 tons, against 5,696,773 in April, according to the Department of Commerce. Included were 2,143,311 tons of crude oil, against 2,291,205 in April; 1,785,441 tons of gasoline, against 1,429,496; 20,360 tons of naphtha, against 17,101; 200,677 tons of kerosene, against 270,875; 84,684 tons of lubricating oils, against 82,230, and 7,852 tons of paraffin wax, against 7,608.

Solvents and Diluents

Aromatic Naphthas.—Demand continued to hold to high levels, with very little material available. Prices were steady.

Cleaners' Naphtha.—Tankcar prices at New York advanced ½c. per gallon to 10½c. Demand heavy. Offerings lighter.

Lacquer Diluent.—Advanced ½c. per gallon for tankcars at New York. New quotation, 11c.

Mineral Spirits. — Now quoted in New York at 9½c. per gallon, an advance of ½c. Demand good. Paint trade buying interest heavy.

Rubber Solvent. — Advanced ½c. per gallon for tankcars at New York. Now quoted at 10½c. Rubber tire manufacturers ordering actively.

Stoddard Solvent.—Similar to the others, a ½c. per gallon advance was recorded in New York. Now quoted at 9½c. per gallon.

V. M. & P. Naphtha.—Tankcar price at New York advanced ½c. per gallon to 10½c. Good call from paint trade.

Markets at Other Centers

Chicago—Sept. 12

Good demand existed for almost every principal grade of material in this classification. Prices show no important change but are tight on most items. Buyers are anxious to get more quantities of most grades.

Aromatic Naphthas.—Supply scarce, prices strong.

Cleaners' Naphtha.—Inquiry brisk, no price change.

Lacquer Diluent.—Offerings limited, market strong.

Mineral Spirits.—Paint industry buying well, quotations steady.

Rubber Solvent.—Activity steady, no price change.

Stoddard Solvent.—Movement brisk, quotations holding.

V. M. & P. Naphtha.—Restricted supply, no change in price.

New Orleans—Sept. 12

The domestic market on cleaning solvent and V. M. & P. naphtha continued to experience a seasonal demand, with prices exhibiting the usual steady trend.

Cleaning Solvent.—Demand routine; price steady.

V. M. & P. Naphtha.—Movement normal; no change in price.

San Francisco—Sept. 12

Recognizing that shortages in most of the petroleum specialties exist elsewhere than on the Pacific Coast, major producers here have set on a policy of keeping the home trade well supplied with anything needed before shipping a gallon out of the territory. The market is active in nearly all divisions.

Aromatic Naphthas.—Demand continuing along broad lines.

Petroleum Thinners.—Shipments very good.

Lacquer Diluent.—Shows no intention of slowing up.

V. M. & P. Naphthas.—Demand very active.

Rubber Solvent.—Well maintained.

Stoddard Solvent.—Seasonal demand still holding up.

Cleaners' Naphtha.—Routine.

Tulsa—Sept. 12

Buyers of specialities were confronted with a tighter market this week. Refiners were making fewer offerings throughout the entire list. Paint manufacturers were active bidders.

Cleaners' Naphtha.—Strong call. Prices firm.

Stoddard Solvent.—Buyers bidding actively, prices strong.

V. M. & P. Naphtha.—Offerings fewer, quotations unrevised.

Mineral Spirits.—Heavy call, quotations firm.

Lacquer Diluent.—Fair demand, prices steady.

Rubber Solvent.—Active bidding, quotations strong.

Price Changes

Advanced

Gasoline, natural, Midcontinent refineries, ½c. per gal.
Oil, lubricating, Midcontinent refineries, bright stocks, ½c. per gal. neutral oils, ¾c. per gal.
Petroleum, lacquer diluent, tanks, N.Y., ½c. per gal.
mineral spirits, tanks, N.Y., ½c. per gal.
naphtha, cleaners', tanks, N.Y., ½c. per gal.
v. m. & p., tanks, N.Y., ½c. per gal.
solvent, rubber, tanks, N.Y., ½c. per gal.
stoddard, tanks, N.Y., ½c. per gal.

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Gasoline

The domestic demand for gasoline in the first six months of 1941 totaled 308,834,000 barrels, an increase of 10.8 percent over the 278,622,000 barrels registered in the similar period last year. Total gasoline demand, including exports, was 318,255,000 barrels, a 9.1 percent gain over the 291,712,000 barrels of January-June, 1940.

Domestic production in the first half of 1941 was 323,338,000 barrels, compared with 303,202,000 in the similar period last year. Exports were 9,421,000 barrels this year, against 13,090,000 in January-June of 1940. Imports were negligible, against 64,000 barrels in the first half of last year. Stocks, including finished and unfinished refinery gasoline and natural gasoline, totaled 88,730,000 barrels on June 30, compared with 93,276,000 barrels on the same date in 1940.

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Association meetings:—
National Petroleum Ass'n, Atlantic City, Sept. 17-19.

Lighter Fractions

Butane.—Continued stringency of supply meant further curtailment in offerings. Price steady.

Heptane. — Buyers unsuccessfully endeavoring to obtain more material. Stocks low. Price strong.

Hexane.—Demand remained above normal as material was offered a bit less freely. Price steady and unrevised.

Octanes.—Good inquiry reported. No change in price.

Pentanes.—Limited supplies caused small movement into consumption. Demand was large. Price steady.

Propane.—Demand continued to expand, despite the known shortage of available material. Production has been increased but it continues to fall far short of demand. Price firm.

Markets at Other Centers

Chicago—Sept. 12

The situation in lighter petroleum fractions continued to incline toward a seller's market, with suppliers evidently in position to place much more material if available. Buyers scrambled for supplies.

Butane.—Tight supply situation, with no price change.

Heptane.—Inquiries brisk, market unchanged.

Hexane.—Movement large, quotations holding.

Octanes.—Good inquiry, no change in price.

Pentane.—Offerings restricted. Prices steady.

Propane.—Active demand, prices strong.

Tulsa—Sept. 12

The problem of finding adequate supplies, despite the expanded production to meet the larger industrial demand, still exists throughout the Midcontinent market in light fractions.

Butane.—Supplies limited, quotations unchanged.

Propane.—Strong call, prices firm.

Pentane.—Buyers bidding up, prices strong.

—Continued on page 60

Texas-N. Y. Pipeline Fails To Get Priority on Steel

OPD Washington Bureau
September 10, 1941

The Supply, Priorities and Allocation Board today refused to grant priority rating for steel plates required for construction of a 1,500-mile East Texas-New York oil pipeline. The pipeline, originally suggested by Petroleum Coordinator Ickes, was to be built by eleven oil companies at a cost approximating $80,000,000.

Asphalt Committee Named To Study Defense Problems

OPD Washington Bureau
September 10, 1941

Acting Petroleum Coordinator Ralph Davies has appointed a group to study problems in the asphalt industry arising from the national defense program. Members of the group are:—R. T. Haslam, vice-president, Standard Oil Company of New Jersey; Ralph Heath, Barber Asphalt Company, Barber, N. J.; F. V. Widger, the Texas Company, New York; J. S. Helm, Standard Oil Company of New Jersey, New York; David Waxman, Shell Oil Company, New York; G. R. Christie, Socony-Vacuum Oil Company, New York; Herschel Smith, Mexican Petroleum Corporation, New York.

Petroleum Products Rate Reduction Asked by Railroads

OPD Washington Bureau
September 9, 1941

The railroads today asked the Interstate Commerce Commission to authorize immediate reductions in rates on petroleum products to the East coast. The cuts would range from 25 to 40 percent. The commission's speedy approval is expected.

In Philadelphia, it was reported that twenty-one tankcars carrying 5,000 barrels of crude oil arrived at the refinery of the Atlantic Refining Company from Illinois. Company officials say shipments will reach a volume of 10,000 barrels daily within the next ten days.

Devoe & Raynolds Plans Issue of 29,000 Shares

The Devoe & Raynolds Company, paint manufacturer, New York, has filed with the Securities and Exchange Commission a registration statement for 29,000 shares of 5 percent cumulative preferred stock of $100 par value. The shares are to be offered to the public at a price to be supplied by amendment to the registration statement.

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ZINC STEARATE
JOSEPH TURNER & COMPANY
PROVIDENCE RIDGEFIELD, N. J. CHICAGO

Petroleum Products

—*Continued from page 59*

Petrolatums and Waxes

Paraffin.—The tightness in the market for crude scale paraffin became more pronounced last week. Prospective buyers were scouring the market for material, but were meeting with little success. Bids went begging. Prices were strictly nominal.

Petrolatums. — Unchanged market conditions were reported here. Demand held to high levels, with sales restricted to regular customers. Stocks were low. Prices unchanged.

White Mineral Oils.—Demand well maintained with offerings restricted. Prices steady.

Markets at Other Centers

Chicago—Sept. 12

General scarcity of material continued to be felt in petrolatums and waxes, while buyers continued to scour the market for additional products for their early needs, but could find little more.

Paraffin.—Scarcity pronounced, prices strong.

Petrolatums.—Good demand, bidding active, no price change.

White Mineral Oils.—Buying good, market firm.

Tulsa—Sept. 12

Buyers became more active in an effort to locate supplies for future delivery this week. Refiners, however, were not offering materials actively.

Paraffin.—Buyers active, quotations firm.

Petrolatum.—Fair demand, prices unrevised.

Fuels and Lubricants

Gasoline.—Large demand. Prices steady.

Kerosene.—Good inquiry. Quotations unaltered.

Lubricating Oils.—Pennsylvania lubricants were in heavy demand. Prices were unchanged.

Markets at Other Centers

Chicago—Sept. 12

Call for gasoline is holding active. Related products also are active. Kerosene is steady. Lubricants are in good position.

Gasoline.—Demand brisk, no price change.

Kerosene.—Fair call, quotations holding.

Lubricating Oils.—Steady demand, quotations unchanged.

New Orleans—Sept. 12

Firmness was the keynote of the market on gasoline and kerosene during the week, quotations remaining unchanged since the early part of July and continuing to evidence this steady trend.

Gasoline.—Market normal; price stable.

Kerosene.—Demand moderate; no change in price.

Tulsa—Sept. 12

Natural gasoline advances again overshadowed other developments in the Midcontinent market. Lubricants were also increased in price.

Gasoline.—Let-up in urgent demand, quotations steady.

Kerosene.—Demand broadening, prices strong.

Lubricants.—Buyers bidding actively because of scarcity. Bright stocks increased ½c. per gallon to 19½c. to 24½c., while neutrals were increased ¾c. to 12½c. to 17¾c. per gallon.

Natural Gasoline.—Demand continued heavy with quotations up ½c. The 26-70 was 3⅞c. to 4¼c. per gallon. The 18-55 was 4¾c. to 5¼c. per gallon.

National Oil Erects Eight Storage Tanks

Erection of eight storage tanks, adding nearly 250,000 gallons to the bulk storage capacity at the Harrison, N. J., plant, has been announced by Charles P. Gulick, president and chairman of the board of the National Oil Products Company. The eight new tanks give the Harrison plant total bulk storage of approximately 3,000,000 gallons. Construction of the 50-foot tanks alongside the firm's facilities fronting on the Passaic river has been completed.

'Bakelite' Travelcade Now At Phila. Franklin Institute

The "Bakelite" Plastics Travelcade has been reinstalled in the Franklin Institute, Philadelphia, and opened to the public. This dramatic exposition of plastics for modern living has just completed a three months' stay at the Buhl Planetarium and Institute of Popular Science, Pittsburgh, and prior to this was installed for a period of six months at the Chicago Museum of Science and Industry.

Zinc Stearates Improvements Told

Buffalo, Sept. 8, 1941

A description of the chemical and physical properties of the various zinc resinates manufactured by Newport Industries, Inc., New York, featured the opening Fall meeting of the Western New York Paint and Varnish Production Club. The speaker was J. L. Boyer of Newport's techincal department.

Mr. Boyer traced the gradual improvements in zinc stearates, such as elimination of skinning and wrinkling, improvement of gloss and adhesion, prevention of loss of drying strength, improvement in pigment suspension and the dispersion of oil gels and resin polymers. He told of more specific applications of these general properties as they apply to alkyds, oiticica oil and the soft oils.

A special application of one of the zinc resinates to the formulation of a very satisfactory calcimine coater was discussed by Mr. Boyer. This new and unusual formulation offers certain advantages over the usual type of product offered for this purpose since it requires less time to produce, has better washability and faster dry, and at the same time has excellent flow and good holdout, Mr. Boyer stated.

Balto. Production Club Hears About Driers

The Baltimore Paint and Varnish Production Club held its initial Fall meeting of the season in the Belvedere hotel, September 5. Robert Allen, of the Nuodex Company, Elizabeth, N. J., and Dr. D. C. Dawson, of the Krebs Color & Pigment Company, Newport, Del., were the speakers. Mr. Allen discoursed on "A Study of the Use of Driers on Soft Oil Varnishes." Dr. Dawson spoke of "Rutile Titanium Pigments."

F.T.C. Hits Gifts To Potential Buyers

James Ledwith and Morton E. Rosenthall, copartners trading as Woodfinishing Products Company, Winston-Salem, N. C., and J. M. Thomas, individually and acting as agent for James Ledwith and Morton E. Rosenthall, trading as Woodfinishing Products Company, are charged, in a complaint issued by the Federal Trade Commission, with commercial bribery and unfair methods of competition in commerce. J. M. Thomas, sales manager and representative for the respondents Ledwith and Rosenthall,, has given to finishers, foremen and other employees of manufacturers of furniture, without the knowledge and consent of their respective employers, substantial sums of money as inducements to influence such employees to purchase the products of the respondents Ledwith and Rosenthall.

Pathe Film to Vote On du Pont Deal Oct. 1

Details of a deal under which E. I. du Pont de Nemours & Company will buy up the outside interests in the du Pont Film Manufacturing Corporation will be submitted October 1 to a special meeting of shareholders of the Pathe Film Corporation. Under the proposal, Pathe holdings of 3,500 shares of du Pont Film will be exchanged for 56,750 shares of du Pont de Nemours stock and Pathe Film will be dissolved. In the dissolution, holders of 7,469 shares of Pathe preferred would receive $100 a share in cash, and the holders of 585,095 shares of Pathe common would receive one share of du Pont de Nemours common for each 10.3 shares of Pathe.

Carbon Black Moisture Characteristics Given

"Moisture Characteristics of Carbon Black" is the title of a bulletin just published by the College of Engineering of Northeastern University, Boston, Mass. The subject matter was prepared by Stuart V. Stoddard and Chester P. Baker.

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Fertilizer Materials

Bagged Domestic Nitrate of Soda Advanced — Organics Market Very Active With Several Advances Recorded—Feed Buyers Buoy Trade—Most Chemicals Very Scarce

An advance in prices on bagged domestic nitrate of soda was reported last week. The higher quotations were occasioned by an increase in the cost of bags. There was no revision in prices on the Chilean material, which will remain unchanged through the end of October at least.

The organics end of the raw fertilizer materials market was showing strength. Increases were registered on dried blood, castor pomace, dried menhaden futures and spot fish meal, feed tankage, and fertilizer tankage at New York. The cottonseed meal price skyrocketed. The increased activity and higher prices were, in general, due to heavier buying by feed consumers. Fertilizer users showed more interest in offers, however, and were attempting to accumulate stocks in anticipation of possible shortages.

Chemicals were moving in unchanged fashion. There were continued reports of low stocks of sulphate of ammonia, nitrate of soda, potash salts, superphosphate and phosphate rock, ammonia phosphate and anhydrous ammonia.

Nitrogenates

Ammonia Phosphate.—Small movement. Offerings light.

Anhydrous Ammonia. — Few new developments. Little available.

Calcium Nitrate.—Unavailable. No prices.

Castor Pomace.—Advanced 50c. to $1 per ton to range of $15.50 to $16.

Dried Blood.—New York price advanced 25c. per unit to $3.75. Chicago quotation at $4.10 per unit, a 35c. boost. Imported product advanced 35c. per unit to $3.75.

Fish Scrap.—Dried menhaden sales reported at $4.35 and 10c., 10c. per unit higher than the last known sales. Spot menhaden meal advanced $1 per ton to $66, f.o.b. Baltimore.

Hoofmeal.—Unchanged and in fair demand.

Nitrogenous Material. — Good call. Very short in Midwest. Stock low in East. Prices unchanged and firmer.

Nitrate of Soda.—Domestic material in 100-pound bags was advanced 65c. per unit to $30.05, f.o.b. producing points or ports. The 200-pound bag price was hiked 60c. per ton to $29.35, f.o.b. producing points or ports.

Sulphate of Ammonia.—Not offered freely. Demand heavy. Price firm.

Tankage. — Fertilizer grade advanced 25c. per unit to $4 and 10c. at New York. Feed material at New York increased 35c. per unit to $4.85 and 10c. The Chicago price for feed was at $5 and 10c., an increase of 25c. per unit. Imported material was advanced 15c. per unit to $4.65 and 10c.

Phosphates

Bone Materials.—In good demand. Stocks not too large. Prices showing strength.

Phosphate Rock.—Heavy demand. Offerings lighter. Prices steady.

Superphosphate. — Heavy call. Offerings small. Production inadequate to meet demand. Prices steady.

Sulphur and Pyrites

Crude sulphur continued to move in good fashion. Deliveries during the week were well maintained at levels similar to those of the few previous weeks. Shipments were regular. Price was steady and unchanged.

Markets at Other Centers

Atlanta—Sept. 12

Advancing prices of organic ammoniates and the tight market for inorganic nitrogen, feature the fertilizer market. Cottonseed meal has skyrocketed. Seed of the new crop is being quoted as high as $60 per ton and the price of 8 percent meal is up to $43 per ton in the Southeast.

Superphosphate.—58c. per unit, interior producing points.

Nitrate of Soda.—Scarce, $30 per ton, bulk, ports.

Sulphate of Ammonia.—Tight, $29 per ton, ports; ovens, $28.

Cottonseed Meal.—8 percent grade, $42 to $42.50 per ton, Southeast.

Blood.—$4.10 per unit, basis Chicago.

Tankage.—Hight grade, $5 and 10c. per unit, Chicago.

Baltimore—Sept. 12

The market for crude fertilizer materials seems slowly to be lifting in response to the increasing inquiry, so that some of the materials have recorded gains in spite of the fact that the production is larger than it has been.

Fish Scrap.—The price has strengthened, with some lots of spot material disposed of at $4.35 and 10c. per unit-ton as against the previous trading at $4.25 and 10c.

Superphosphate.—Production of this material continues to be held down by inability to get sulphuric acid. The nominal list has been observed, which quotes run-of-pile at $9.50 per ton, 16 percent milled and screened supplies at $10 per ton and 20 percent material at $12 per ton.

Price Changes

Advanced

Blood, dried, dom., 25c. per unit, f.o.b. N.Y.
35c. per unit, f.o.b. Chi.
imp., 35c. per unit, c.i.f. ports.
Castor pomace, dom., 6½%, 50c. to $1 per ton.
Cottonseed meal, 8%, $4.50 per ton, Southeast mills.
Fish scrap, dried menhaden futures, 10c. per unit, f.o.b. Chesapeake Bay.
meal, spot, $1 per ton, f.o.b. Balto.
Soda, nitrate, dom., 100-lb. bgs., 65c. per ton, f.o.b. producing points or ports.
200-lb. bgs., 60c. per unit, f.o.b. producing points or ports.
Tankage, dom., fertilizer, f.o.b. N.Y., 25c. per unit.
feed, f.o.b. N.Y., 35c. per unit
f.o.b. Chi., 25c. per unit.
imp., 15c. per unit, c.i.f. ports.

Reduced

None

Comparative Values

Index numbers compiled from four typical fertilizer materials, on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
70.6	70.2	70.2	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

Phosphate Rock

Notwithstanding a great decrease in exports as a result of the European blockade, shipments of phosphate rock from American mines were larger in the first half of 1941 than in like periods of former years since 1937, the first year for which semi-annual statistics are available, the Bureau of Mines reported last week. The Bureau also forecast that consumption during the current year will top that of any previous year.

Shipments of phosphate rock during the first six months this year totaled 2,097,794 long tons, 19 percent higher than the 1940 figure of 1,766,732 long tons. Production totaled 2,398,089 long tons during January - June, against 1,941,833 in the same period of 1940. Exports were 365,071 long tons during the first six months this year, compared with 202,763 in the similar period of 1940. No imports were made in 1941 to date, but in January-June, 1940, 2,950 long tons were sent here. Stocks in producers' hands totaled 1,867,000 long tons on June 30, 1941, against 1,858,000 on June 30 last year.

A report on phosphate rock appeared in this space in the issue of July 28. Since then the only changes in prices have been in Florida land pebble grades. The 68 percent minimum has been boosted 10c. to $2 per ton; 70 percent has been raised 15c.-20c. to $2.30 to $2.40 per ton, and 72 percent has been advanced 25c.-50c. to $2.75 to $3 per ton.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Association meetings:—

National Fertilizer Ass'n, Atlanta, Ga., Nov. 17-19.

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Dried Blood.—The market for this ammoniate is strong, with the demand good and with trading done at $3.50 per unit-ton, an advance of 50c. over the previous list. South American material also is reported as showing strength and as having sold at $3.50 per unit-ton, c.i.f. Gulf ports.

Chicago—Sept. 12

The fertilizer materials market remains strong, with prices on various products tending to strengthen. Buyers are in the market for larger quantities of material. Organics in various cases are in the strongest position in a considerable time. Blood has been in good call. Tankage business is fair. Bone materials are moving more actively.

Blood.—Principal grade, $4.10 per unit of ammonia.

Tankage.—High grade, $5 and 10c.; hoof-meal, $2.75 to $3; liquid stick, $1.95 to $2.

Bone Materials.—Ground, steamed bone, 1¼ and 60 percent, $40; 3 and 50 percent, $39 to $40; 4½ and 50 percent, $38.50 to $39; grinding hoofs, pigs' toes and waste horn materials, $37.50 to $42.50; cattle jaws, skulls and knuckles, $37.50 to $42.50; pork cracklings, soft pressed, $52.50 to $55; beef cracklings, soft pressed, $50 to $52.50; hard pressed cracklings, per unit of protein, $1.05 to $1.10.

San Francisco—Sept. 12

Buying from first hands was not too active but some advanced prices were noted. There are reports of wholesale reselling of sulphate of ammonia in Southern California at advanced prices.

Sulphate of Ammonia.—Domestic, $38 per ton in 100-pound bags.

Nitrate of Soda.—100-pound bags, $33 per ton, ex-vessel or warehouse. 167-pound bags, $32.40. Bulk, $30.

Superphosphate.—Domestic 83c. per unit in bulk, f.o.b. San Francisco. Bags, 99c.

Fish Meal.—Market strong. Trading active. San Francisco Bay, 67 percent protein, $67.50 per ton. Monterey, 65 percent protein, $65.

Tankage.—Dry-rendered, ground, 50 percent, $50 per ton, f.o.b. cars; 55 percent, $54 per ton. Unground, dry-rendered, 87½c. per unit of protein, f.o.b. cars, South San Francisco. Wet-rendered, nominally at $3.25 and 10c. per unit-ton.

Blood Meal.—$3.55 per unit, f.o.b. cars, San Francisco.

J.H. Montgomery Back

John H. Montgomery, secretary of Fritzsche Brothers, essential oils and aromatic chemicals, this city, is back at his duties after an absence of three months. Mr. Montgomery underwent an operation in June and for a while he made but moderate progress toward recovery. Once danger was past, his progress was excellent and he is now back at his desk at a time when his services are greatly needed and appreciated.

S. L. Mintz, formerly with the Merx Foreign Trade Company, this city, has joined the Continental Grain Company, Produce Exchange, this city, as manager of its chemical division.

Flaxseed Crop September 1 Estimate Up

The Department of Agriculture estimate as of September 1 of the 1941 flaxseed crop was 31,900,000 bushels. This compared with 30,711,000 bushels a month earlier and with a production last season of 31,217,000 bushels. Yield prospects were maintained or improved in all of the flax States except Nebraska. Yields per acre are well above the average in all States.

Details of the September 1 estimate with respect to the several producing States follow:—

	Yield per acre (Bushels)			Production (Bushels)		
	Average. 1930-39.	1940.	Indicated. 1941.	Average. 1930-39.	1940.	Indicated. 1941.
Illinois	....	15.0	14.0	....	90,000	252,000
Michigan	8.7	9.0	12.0	64,000	72,000	72,000
Wisconsin	10.7	13.0	12.0	62,000	247,000	180,000
Minnesota	8.3	10.5	10.5	5,902,000	16,695,000	14,858,000
Iowa	9.2	14.0	13.0	235,000	2,520,000	3,042,000
Missouri	4.4	6.0	6.5	14,000	18,000	26,000
North Dakota	4.3	6.0	7.0	2,895,000	3,888,000	5,215,000
South Dakota	4.5	6.5	9.0	774,000	1,904,000	2,187,000
Nebraska	5.4	10.0	8.0	25,000	20,000	40,000
Kansas	6.1	9.0	8.0	341,000	1,314,000	1,088,000
Oklahoma	....	7.0	7.0	....	119,000	140,000
Texas	....	6.0	6.5	....	174,000	104,000
Montana	3.7	7.5	7.5	416,000	990,000	1,125,000
Idaho	....	8.0	10.0	....	40,000	50,000
Arizona	....	18.5	21.0	....	240,000	315,000
Washington	....	9.5	12.0	....	48,000	12,000
Oregon	....	6.0	13.0	....	24,000	26,000
California	17.1	21.0	16.0	745,000	2,814,000	3,168,000
United States	6.4	9.7	9.9	11,269,000	31,217,000	31,900,000

Obituaries

Murray D. Watson

Murray D. Watson, credit manager for Parke, Davis & Co., pharmaceutical manufacturer, Detroit, died September 10. He was sixtry-four years of age. Mr. Watson, who was to have retired next January, has been in the employ of Parke, Davis & Co., for forty-four years.

Surviving are his wife and a daughter.

Charles F. Roberts, treasurer of Johns-Mansville Corporation, this city, died September 10. He was fifty-one years of age.

Ernst Julius Berg, internationally known electrophysicist, died in Schenectady, N. Y., September 9. He was seventy years of age.

John F. Maybank, fertilizer manufacturer, Charleston, S. C., died in Flat Rock, N. C., September 9. He was seventy-one years of age.

Mrs. Margaret McGregor Robertson, who retired six years ago as clerk in charge of the experimental chemistry laboratory at New York University, died September 10. She was seventy-five years old.

John E. Shone, of the National-Boston Lead Company, died recently. He was forty-seven years of age.

William A. Spalding, founder of the California Fruit Growers' Exchange, died in Los Angeles, September 8. He was eighty-eight years of age.

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ALOE—444 tins, Wessel, Duval & Co, Puerto Cabello
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5 cs, H E Botzow, Inc, Puerto Cabello
81 cs, Wessel, Duval & Co
8 cs, Schutte & Focke, Trujillo
30 cs, Geck Trading Corp, Trujillo

ANNATTO SEEDS—60 bgs, Balfour, Guthrie & Co

ANTIMONY—2,500 bgs, Banco Minero de Bolivia, Valparaiso
ORE—188 bgs, Banco Minero de Bolivia, Arica
1,459 bgs, Banco Minero de Bolivia, Valparaiso
2,942 bgs, Banco Minero de Bolivia, Valparaiso
2,494 bgs, Banco Minero de Bolivia, Valparaiso
1,615 bgs, Banco Minero de Bolivia, Valparaiso
2,256 bgs, Banco Minero de Bolivia, Valparaiso

ARROWROOT—1 bg, E L Santos & Co, San P de Macoris

ASBESTOS—3,000 bgs, Union Asbestos & Rubber Co
1,000 bgs, Union Asbestos & Rubber Co
257 bgs, Royal Bank of Canada
64 bgs, Asbestos Corp
260 bgs, Watson, Geach & Co
245 bgs, Watson, Geach & Co
445 bgs, Asbestos, Ltd
320 bgs, Asbestos, Ltd

BALSAM—1 cs, Pan American Export & Import Co, Cristobal
30 cs, W R Grace & Co, Cristobal

BANANA POWDER—181 bgs, Sanib Corp, Puerto Cortes

BEEF EXTRACT—446 cs, Armour & Co, Montevideo
89 cs, Armour & Co, Montevideo

BOLDO LEAVES—14 bls, Muller Co, Valparaiso

BONES—618 bgs, American Agricultural & Chem Co, Barranquilla

BRISTLES—8 cs, Ainstein Importing Corp, Buenos Aires

BUCHU LEAVES—10 bls, S B Penick & Co
10 bls, C L Huisking & Co
10 bls, Peek & Velsor
35 bls, C L Huisking & Co

CANARY SEED—167 bgs, F H Von Damm, Buenos Aires
571 bgs, Herbert H Parker, Buenos Aires
424 bgs, A G Dunn, Buenos Aires
167 bgs, F H Von Damm, Buenos Aires

CASEIN—202 bgs, E J Lang, Buenos Aires
500 bgs, National City Bank, Buenos Aires
417 bgs, American British Chemical Supplies, Buenos Aires
833 bgs, Buenos Aires
664 bgs, Buenos Aires

CASSAVA FLOUR—2 bgs, Barclay Bank

CASSIA—343 bls, Catz American Co

CASTOR BEANS—665 bgs, Bradley & Baker, Puerto Barrios
6,700 bgs, Spencer Kellogg & Sons, Ceara
5,000 bgs, Spencer Kellogg & Sons, Ceara
780 bgs, Baker Castor Oil Co, Fortaleza
255 bgs, Baker Castor Oil Co, Victoria
593 bgs, Baker Castor Oil Co, Victoria
4,600 bgs, Baker Castor Oil Co, Rio de Janeiro
2,500 bgs, Baker Castor Oil Co, Rio de Janeiro
1,734 bgs, Baker Castor Oil Co, Rio de Janeiro
4,824 bgs, Baker Castor Oil Co, Santos
2,000 bgs, Baker Castor Oil Co, Santos
5,176 bgs, Baker Castor Oil Co, Santos
4,570 bgs, Baker Castor Oil Co, Santos
3,400 bgs, Baker Castor Oil Co, Santos
3,400 bgs, Berkshire Chem Co, Recife
1,694 bgs, Spencer Kellogg & Sons, Recife
1,156 bgs, Baker Castor Oil Co, Recife
850 bgs, Spencer Kellogg & Sons, Recife
1,156 bgs, Baker Castor Oil Co, Recife
1,156 bgs, Baker Castor Oil Co, Recife
1,700 bgs, Berkshire Chem Co, Recife
1,700 bgs, Spencer Kellogg & Sons, Recife
4,559 bgs, Baker Castor Oil Co, Recife
1,665 bgs, Bunge North American Grain Co, Recife
3,400 bgs, Baker Castor Oil Co, Recife
6,700 bgs, Baker Castor Oil Co, Recife

CHAMOMILE FLOWERS—10 cs, American M O T, Inc, Oporto

CHROME ORE—2,000 tons, E J Lavino & Co
502 tons, Frank Samuels & Co
1,000 tons, Philip Bros
2,000 tons, E J Lavino & Co
2,000 tons, E J Lavino & Co

CINCHONA BARK—86 bls, National City Bank, Puerto Barrios
2,129 bls, Merck & Co

CINNAMON QUILLS—250 bls, C M Van Sillevoldt
95 bls, Mecke & Co
160 bls, Carr Bros
400 bls, C T Wilson & Co
175 bls, Holland Colombo Trade Society
50 bls, Irving Trust Co
25 bls, Catz American Co
100 bls, Carr Bros
50 bls, Catz American Co
100 bls
350 bls, C M Van Sillevoldt
297 bls, C T Wilson & Co
100 bls, Holland Colombo Trade Society
175 bls, E S Klinko
125 bls, C T Wilson & Co
50 bls, Holland Colombo Trade Society
50 bls, Irving Trust Co
100 bls, C T Wilson & Co

COBALT, CRUDE—915 dms, African Metal Corp
325 dms, African Metal Corp

COCOA BEANS—2,000 bgs, W Bartholomew & Co, Bahia
120 bgs, Meyer & Co, La Guaira
50 bgs, Daarnhouwer & Co, Puerto Cabello
6,000 bgs, A C Israel Commodity Co, Bahia
2,000 bgs, W R Grace & Co, Bahia
8,000 bgs, A C Israel Commodity Co, Bahia
2,000 bgs, Guaranty Trust Co, Bahia
4,500 bgs, A C Israel Commodity Co, Bahia
1,500 bgs, Bahia

COCOA BEANS—3,000 bgs, A C Israel Commodity Co, Bahia
204 bgs, Bank of London South America, Trinidad
777 bgs, Farr & Co, Bahia
969 bgs, Guaranty Trust Co, Bahia
4,000 bgs, W Bartholomew & Co, Bahia
3,000 bgs, W R Grace & Co, Bahia
3,000 bgs, A C Israel Commodity Co, Bahia
609 bgs, Rockwood & Co, Bahia
1,000 bgs, Curacao Trading Co, Bahia
500 bgs, Bank of London South America, Bahia
500 bgs, Bank of New York, Bahia
500 bgs, J Henry Schroeder Banking Corp, Bahia
1,500 bgs, A C Israel Commodity Co, Bahia
658 bgs, Corn Exchange Bank Trust Co, Bahia
635 bgs, Brown Bros, Harrimann Co, Bahia
788 bgs, Farr & Co, Bahia
2,000 bgs, W R Grace & Co, Bahia
4,000 bgs, W Bartholomew & Co, Bahia
2,424 bgs, Rockwood & Co, Bahia
5,000 bgs, A C Israel Commodity Co, Bahia
1,500 bgs, W Bartholomew & Co, Bahia
4,176 bgs, A C Israel Commodity Co, Bahia
9,500 bgs, A C Israel Commodity Co, Bahia
918 bgs, Brown Bros, Harrimann Co, Bahia
2,000 bgs, Guaranty Trust Co, Bahia
856 bgs, J Henry Schroeder Banking Corp, Bahia
6,500 bgs, W Bartholomew & Co, Bahia
3,500 bgs, J Henry Schroeder Banking Corp, Bahia
7,000 bgs, A C Israel Commodity Co, Bahia
3,500 bgs, Bank of London South America, Bahia
400 bgs, Machado & Co, Puerto Plata
370 bgs, Machado & Co, Trujillo
1,000 bgs, Wessel, Kulenkampf & Co, Trujillo
472 bgs, Curacao Trading Co, Trujillo

COCONUT, DESIC—32 cs, T M Winters

COCONUTS—800 bgs, I L Toledano Corp, Cristobal

COLOMBO ROOT—30 bgs, 1 ton, 9 cwt, 1 qr, 10 lbs, R J Prentiss & Co
36 bgs, 1 ton, 12 cwt, 24 lbs, S B Penick & Co

CONCENTRATES—2,030 bgs, Wedemann & Godknecht

COPPER CONC — 4,000 bgs, Cotopaxi Exploitation Co, Puna

CORK SHAVINGS—1,420 bls, Mundet Cork Corp, Lisbon
400 bls, Mundet Cork Corp, Lisbon
819 bls, Crown Cork & Seal Co, Oporto
1,150 bls, Crown Cork & Seal Co, Oporto
476 bls, Cox & Fahner, Oporto
170 bls, Cox & Fahner, Oporto
129 bls, National City Bank, Oporto

VIRGIN — 360 bls, Armstrong Cork Co, Oporto
91 bls, Armstrong Cork Co, Oporto
1,360 bls, Mundet Cork Corp, Lisbon
1,300 bls, Mundet Cork Corp, Lisbon

WASTE—539 bls, Cork Trading Co, Oporto
277 bls, Crown Cork & Seal Co, Oporto
706 bls, National City Bank, Oporto
219 bls, National City Bank, Oporto
854 bls, National City Bank, Oporto
466 bls, Mundet Cork Corp, Lisbon
934 bls, Mundet Cork Corp, Lisbon
850 bls, Mundet Cork Corp, Lisbon

WOOD—630 bls, Armstrong Cork Co, Lisbon
500 bls, Mundet Cork Corp, Lisbon

CORUNDUM CRYSTAL—994 bgs, Watson, Geach & Co
901 bgs, Watson, Geach & Co
751 bgs, Watson, Geach & Co
241 bgs, Watson, Geach & Co

COTTON LINTERS—560 bls, Lush Cotton Product Co, Buenos Aires
154 bls, Santos
267 bls, Williamson Product, Ltd, Santos
216 bls, Williamson Product, Ltd, Santos
29 bls, Santos
310 bls, Santos
736 bls, Santos
283 bls, Kanders-Struber Co, Santos
427 bls, Kanders-Struber Co, Santos
283 bls, Williamson Product Co, Santos
36 bls, Lush Cotton Product Co, Recife
65 bls, Lush Cotton Product Co, Recife

RESIDUE—28 bls, Rio de Janeiro

CUTTLEFISH BONES—120 cs, Portugal

CYANIDE PRECIP—10 cs, South American Development Co, Puna

DERRIS ROOT—1 bl, John Powell & Co, Puerto Barrios
205 cs, S B Penick & Co
90 cs, Rotanone Co
31 cs, Guaranty Trust Co
160 cs

DRUGS, VEGETABLE—5 bls, Trust Co of North America, Buenos Aires
16 bls, Trust Co of North America, Buenos Aires

ERGOT—200 cs, S B Penick & Co, Oporto
140 cs, S B Penick & Co, Oporto

FENNEL SEED—87 bgs, R J Prentiss & Co, Buenos Aires

FISH LIVERS—4 bbls, 1 cs, Atlantic Freight Corp, Funchal

MEAL—11,630 bgs, Iceland

FLAXSEED—3,963,042 kilos, 158,522 bus, Bunge North American Grain Co, Buenos Aires
1,841 bgs, 4,050 bus, Bunge North American Grain Co, Buenos Aires
298 bgs, 655 bus, Kuiper & Bolle, Buenos Aires
5,144 tons, 125,760 bus, Archer Daniels Midland Co, Buenos Aires

GAMBIER—700 bgs, E E Androvette, Malaya
1,275 cs, Chase National Bank

GLANDS, BEEF SUPRARENAL—Swift & Co, Montevideo
44 crates, Buenos Aires
40 cs, Swift & Co, Buenos Aires

GLUE, BONE—400 bgs, Prague Credit Bank, Santos
200 bgs, Biological Raw Prod Co, Santos

SKIN—100 bgs, Biological Raw Prod Co, Santos

GLUESTOCK—64 bls, Darnstadt, Scott & Courtney, Recife

GLYCERIN—107 dms, Swift & Co, Buenos Aires
50 dms, Buenos Aires

GRAPHITE—333 bgs, Joseph Dixon Crucible Co
286 bgs, J F Starkey & Co
250 bgs, Asbury Graphite Mills
666 bgs, Joseph Dixon Crucible Co
750 bgs, Asbury Graphite Mills
858 bgs, J F Starkey & Co
1,231 bgs, Joseph Dixon Crucible Co
572 bgs, Asbury Graphite Mills
250 bgs, Joseph Dixon Crucible Co
572 bgs, Asbury Graphite Mills

GUM ARABIC—173 bgs, Barclay Bank
49 bgs, French American Banking Corp

BENZOIN—321 cs, Irving Trust Co
300 cs, National City Bank

CHICLE—320 bls, Chicle Development Co, Puerto Barrios

COPAL—1,000 bgs, W H Scheel
3,000 bgs, Stroock & Wittenberg

DAMMAR—210 bgs, G W S Patterson & Co
275 cs
210 bgs, Thurston & Braidich
153 bgs

GUAIAC—21 cs, Curacao Trading Co, Trujillo

PERILLA—17 bls, Chicle Development Co, Cristobal

IPECAC ROOT—18 bgs, Wessel, Duval & Co, Cristobal
8 bgs, R D Heins, Cristobal

IRISH MOSS—54 bls, Canada

KOLA NUTS—120 bgs, Barclay Bank

LAUREL LEAVES—94 bls, American Ionian Corp, Puerto Barrios
68 bls, Superintendence Co, Inc, Oporto
91 bls, Superintendence Co, Inc, Oporto
159 bls, Superintendence Cr, Inc, Oporto
110 bls, American M O T, Inc, Oporto
22 bls, Superintendence Co, Inc, Oporto
155 bls, Superintendence Co, Inc, Oporto
100 bls, Pinck, Jones, Libby, Inc, Oporto

LIMESTONE—42 bgs, L Watjen, Valparaiso

LIQUID—2 ctns, Mecke & Co, Barranquilla

LOGWOOD—46 tons, W & A Leaman, Kingston
18 tons, American Dyewood Co, Kingston

MACE—25 cs, Irving Trust Co

MANGANESE ORE—3,400 tons, Cuban American Manganese Corp, Santiago
1,300 tons, Rio de Janeiro
2 600 tons, Electro Metallurgical Co

MANIOC FLOUR—2,350 bgs, Rutger, Bleecker & Co, Ceara
2,032 bgs, Chase National Bank, Rio de Janeiro
1,400 bgs, Bank of New York, Rio de Janeiro
10 bgs, States Grain Corp, Rio de Janeiro
2,118 bgs, Perkins Glue Co, Rio de Janeiro
1,680 bgs, Bank of New York, Rio de Janeiro
1,000 bgs, Chase National Bank, Santos
333 bgs, Java American Export Co, Santos
1,000 bgs, Chase National Bank, Santos
1,000 bgs, Java American Export Co, Santos
1,000 bgs, Java American Export Co, Santos
1,500 bgs, National City Bank, Santos
2,000 bgs, Bank of London South America, Santos
2,000 bgs, Guaranty Trust Co, Santos
1,500 bgs, National City Bank, Santos
1,667 bgs, Java American Export Co, Santos

MEDICINAL PREPS—13 cs, D C Andrews & Co, Rio de Janeiro
16 cs, D C Andrews & Co, Rio de Janeiro
26 cs, D C Andrews & Co, Buenos Aires
20 cs, Import & Export Industries, Rio de Janeiro
13 cs, D C Andrews & Co, Rio de Janeiro

MICA—14 cs, Flomarcy Co, Victoria
82 cs, American Mica Co, Victoria
40 cs, A O Schoenmaker Insulation Co, Rio de Janeiro
100 cs, Rector Mineral Trading Co, Rio de Janeiro
53 cs, F D Pitts & Co, Rio de Janeiro
28 cs, Eugene Munsell & Co, Rio de Janeiro
10 cs, Ford Radio & Mica Co, Rio de Janeiro
47 cs, Eugene Munsell & Co, Rio de Janeiro
17 cs, Rio de Janeiro
10 cs, Gillespie Rogers Pyatt Co

BLOCK—25 cs, Heyman & Co
7 cs, Mineral & Insulation Co
1 cs, W Brand & Co
27 cs, Heyman & Co
245 cs, Chase National Bank
121 cs, Chase National Bank
8 cs, Heyman & Co
17 cs, Schwab Bros
5 cs, Gillespie Rogers Pyatt Co

DISCS—3 cs, Heyman & Co
2 cs, American Mica Works
16 cs, Gillespie Rogers Pyatt Co

FILM—11 cs, Wm Brand & Co
6 cs, Anglo American & Colonial Co
16 cs, Heyman & Co
10 cs, A O Schoenmaker Insulation Co
18 cs, Schwab Bros
3 cs, Cornelis & Suhr
10 cs, Wm Brand & Co
16 cs, American Mica Works

ROUNDS—16 cs, Mineral & Insulation Co

SPLITTINGS—100 cs, O Gerdan Co
100 cs, Cornelis & Suhr
535 cs, Wm Brand & Co
118 cs, F Baumgardt
75 cs, Anglo American & Colonial Co
210 cs, Heyman & Co
266 cs, Chase National Bank
277 cs, Chase National Bank
710 cs, A O Schoenmaker Insulation Co
2 cs, Mercantile Import & Export Co

MICA SPLITTINGS—64 cs, Heyman & Co
168 cs, Cornelis & Suhr
20 cs, Schwab Bros
270 cs, Gillespie Rogers Pyatt Co
365 cs, Gillespie Rogers Pyatt Co

MILK POWD—75 cs, Nestles Milk Powder, Inc, Buenos Aires

MIMOSA EXTRACT — 970 bgs, American Dyewood Co

MINERAL—800 bgs, Balfour, Guthrie & Co
192 bgs, Balfour, Guthrie & Co
1,120 bgs, W & A Leaman
496 bgs, W & A Leaman
480 bgs, W & A Leaman

MONAZITE SAND—373 bgs, Rare Mineral & Metal Co, Victoria
160 bgs, Rare Mineral & Metal Co, Victoria

NUTMEGS—245 bgs, Corn Exchange Bank
219 bgs
520 bgs, New York Trust Co

OCHER, CRUDE—706 bgs, Reichard-Coulston

OIL—18 dms, Royal Bank of Canada, Montevideo
CANANGA—1 dm, Bank of Manhattan
2 dms, National City Bank
1 dm, Chase National Bank
4 dms, Guaranty Trust Co

CASTOR—273 dms, Baker Castor Oil Co, Rio de Janeiro

CINNAMON BARK—1 cs, Ungerer & Co

CITRONELLA—20 dms, Irving Trust Co
19 dms, Guaranty Trust Co
58 dms, Chase National Bank

CITROUS—25 cs, Norda Essential Oil & Chem Co, Rio de Janeiro
40 cs, Norda Essential Oil & Chem Co, Rio de Janeiro
49 cs, Norda Essential Oil & Chem Co, Rio de Janeiro

COD—48 dms, Canada
75 cks, Canada

CODLIVER—200 bbls, Canada
440 dms, Iceland

ESSENTIAL—2 dms, Dodge & Olcott Co, Kingston

FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao

LIME—4 cs, Norda Essential Oil & Chem Co, Kingston

LIME, DIST—15 cs, Trinidad
7 cs, Trinidad

OITICICA—121 dms, W R Grace & Co, Rio de Janeiro
125 dms, Rutger, Bleecker & Co, Ceara
125 dms, Rutger, Bleecker & Co, Ceara
125 dms, Rutger, Bleecker & Co, Ceara
119 dms, Rio de Janeiro

OLIVE—100 dms, Montevideo

ORANGE—50 cs, T M Duche & Sons, Santos
33 cs, W J Bush & Co, Santos
39 cs, Ungerer & Co, Santos
22 cs, Ungerer & Co, Santos
5 crates, Biological Raw Product Co, Santos
4 dms, Biological Raw Product Co, Santos
40 crates, Chase National Bank, Santos

PALM—400 tons, Colgate-Palmolive-Peet Co
1,223 tons, Guaranty Trust Co
256 tons, Swift & Co
1,030 tons, Banque Belge pour l'Etrange
500 tons, Armour & Co
500 tons, Banque Belge pour l'Etrange
1,326 tons
1,265 tons, Balfour, Guthrie & Co

PATCHOULI—3 dms, Irving Trust Co
6 dms, Guaranty Trust Co

PETITGRAIN—25 cs, S Stern, Stiner & Co, Buenos Aires
6 cs, S Stern, Stiner & Co, Buenos Aires
25 cs, Buenos Aires
6 dms, Buenos Aires
33 cs, Fritzsche Bros, Santos

PIMENTO LEAF—15 cs, Geo Lueders & Co, Kingston
2 dms, Gillespie & Co, Kingston

RAPESEED, REFD—232,916 kilos, Mitsui & Co, Buenos Aires

SANDALWOOD—10 cs, Magnus, Mabee & Reynard

SASSAFRAS—6 bbls, Norda Essential Oil & Chem Co, Rio Janeiro

PEPPER—2 bgs, Barclay Bank

ALLIGATOR—2 bgs, Barclay Bank

BLACK—2,943 bgs, Irving Trust Co
750 bgs
2,250 bgs, Public National Bank

WHITE—243 bgs, Chemical Bank Trust Co
82 bgs, J Henry Schroeder Banking Corp
648 bgs, National City Bank
420 bgs, Irving Trust Co
2,117 bgs

PIMENTO—10 bgs, Piza, Nephews & Co, Puerto Cortes
100 bgs, A G Dunn, Kingston
100 bgs, Kingston
1 bg, P Fischer, Kingston
100 bgs, Barclay Bank, Kingston
100 bgs, A G Dunn, Kingston

QUASSIA CHIPS—300 bgs, R J Prentiss & Co, Kingston

QUEBRACHO EXTRACT—1,030 bgs, International Product Corp, Buenos Aires
4,850 bgs, International Product Corp, Buenos Aires
5,135 bgs, International Product Corp, Buenos Aires
735 bgs, International Product Corp, Buenos Aires
4,140 bgs, Tannin Corp, Buenos Aires
100 bgs, International Product Corp, Buenos Aires
2,260 bgs, Tannin Corp, Buenos Aires
1,827 bgs, Tannin Corp, Buenos Aires

QUININE SULPHATE—103 cs, Chase National Bank
63 cs, Guaranty Trust Co

RAPESEED—186 bgs, Wagner Bros Feed Corp, Buenos Aires
340 bgs, H S Cramer & Co, Buenos Aires
190 bgs, H S Cramer & Co, Buenos Aires

ROCK CRYSTALS—23 cs, Pan-American Trade Development Corp, Rio Janeiro
240 cs, L J Buck, Rio Janeiro
240 cs, American Gem & Pearl Co, Rio Janeiro
6 cs, Milton Snedeker Corp, Rio Janeiro

RUTILE ORE—100 bgs, W & A Leaman
200 bgs, W & A Leaman

SAPONIN—84 cs, W R Grace & Co, Valparaiso

SCHEELITE ORE—75 dms, Buenos Aires

SOAPSTOCK COTTONSEED—151 bbls, Balfour, Guthrie & Co, Buenos Aires

SODA NITRATE—63,581 bgs, Chilean Nitrate Sales Corp, Antofagasta
48,793 bgs, Chilean Nitrate Sales Corp, Iquique

STEARITE—840 bgs, Heyman & Co

STROPHANTHUS LEAVES—57 tins, W & A Leaman

YOU, too, should have your imports listed here for the information of OPD readers—it costs you nothing.
Mail lists of arrivals promptly and regularly, or telephone them — REctor 2-9820.

TALLOW—807 cs, H J Baker & Bro, Buenos Aires
542 cks, H J Baker & Bro, Buenos Aires
TANKAGE—1,000 bgs, Buenos Aires
TAPIOCA FLOUR—100 bgs, Java American Export Co, Rio de Janeiro
1,678 bgs, Java American Export Co, Rio de Janeiro
430 bgs, Stein, Hall & Co
2,071 bgs, Stein, Hall & Co
3,660 bgs, Irving Trust Co
552 bgs, Chase National Bank
550 bgs, First National Bank
3,078 bgs, Stein, Hall & Co
695 bgs, Balfour, Guthrie & Co
474 bgs
TARTAR—363 bgs, Standard Brands, Inc, Oporto
94 bgs, Standard Brands, Inc, Oporto
147 bgs, Albert Mevi, Buenos Aires
TOLU BALSAM—50 cs, Pan American Export & Import Agency, Barranquilla
26 cs, I Mezrabi, Barranquilla
TONKA BEANS—11 cks, 1 cs, Machado & Co, Trinidad
TUBA ROOT—204 bls, Dodwell & Co
TUNGSTEN ORE—500 bgs, Metal Reserve, Valparaiso
VANILLA BEANS—2 cs, Norda Essential Oil & Chem Co, Rio de Janeiro
WATTLE BARK—2,211 bls, Hammond & Carpenter Corp
753 bls, Tannin Corp
EXTRACT—1,034 bgs, Tannin Corp
2,069 bgs, Tannin Corp
WAX, BEES—37 blocks, Wm M Allison & Co
120 bgs, Duncan Fox & Co, Valparaiso
37 blocks, Wm M Allison & Co
50 blocks, American Cyanamid & Chem Co
18 bgs, Silvio Gaguine & Co, Rio de Janeiro
16 seroons, Porcella Vicini & Co, Puerto Plata
37 seroons, Agruba Trading Co, Puerto Plata
35 bgs, Machado & Co, Trujillo
4 seroons, Porcella Vicini & Co, Trujillo
22 bgs, Machado & Co, Trujillo
5 seroons, Porcella Vicini & Co, Trujillo
36 bgs, Schutte & Focke, Trujillo
10 bgs, Curacao Trading Co, Trujillo
284 bgs, Geck Trading Corp, Lisbon
58 bgs, Geck Trading Co, Lisbon
CARNAUBA—23 bgs, I R Boody & Co, Bahia
168 bgs, Rutger, Bleecker & Co, Ceara
112 bgs, Rutger, Bleecker & Co, Seara
168 bgs, Rutger, Bleecker & Co, Ceara
56 bgs, Guaranty Trust Co, Ceara
56 bgs, Innis, Speiden & Co, Fortaleza
25 bgs, W R Grace & Co, Rio de Janeiro
63 bgs, Bank of London South America, Rio de Janeiro
50 bgs, National City Bank, Rio de Janeiro
62 bgs, Manufacturers Trust Co, Rio de Janeiro
23 bgs, W R Grace & Co, Rio de Janeiro
19 bgs, Bunge North American Grain Co, Rio de Janeiro
34 bgs, I R Boody & Co, Recife
56 bgs, J Henry Schroeder Banking Corp, Recife
57 bgs, Wessel, Duval & Co, Recife
23 bgs, T G Cooper & Co, Recife
57 bgs, J Henry Schroeder Banking Corp, Recife
OURICURY—110 bgs, Wessel, Duval & Co, Bahia
169 bgs, Chase National Bank, Bahia
55 bgs, Wessel, Duval & Co, Bahia
25 bgs, Wm M Allison & Co, Rio de Janeiro
52 bgs, Bunge North American Grain Co, Rio de Janeiro
WOLFRAM ORE—322 bgs, J J Gavin & Co, Oporto
250 bgs, J J Gavin & Co, Oporto
19 cks, J J Gavin & Co, Oporto
WOLFRAMITE—440 bgs, Irving Trust Co, Buenos Aires
33 dms, Minerals & Metal Reserve, Buenos Aires
YOHIMBO BARK—112 bls

New York Transit Imports

CANARY SEED—170 bgs, Globe Trading Co, Buenos Aires, Montreal
CHROME ORE—3,000 tons, E J Lavino & Co, to Newport News
CINNAMON QUILLS—80 bls, D Hecht & Co, to San Francisco
COTTON LINTERS—399 bls, West Texas Cotton Oil Co, Buenos Aires, Houston
223 bls, New England Waste Co, Buenos Aires, Boston
104 bls, New England Waste Co, Santos, Boston
531 bls, New England Waste Co, Santos, Boston
161 bls, New England Waste Co, Santos, Boston
362 bls, New England Waste Co, Santos, Boston
331 bls, West Texas Cotton Oil Co, Santos, Houston
45 bls, New England Waste Co, Recife, Boston
RESIDUE—31 bls, New England Waste Co, Recife, Boston
COTTONSEED MEAL—6,720 bgs, Ashcraft-Wilkinson Co, Port au Prince, Atlanta
ERGOT—20 cs, Parke, Davis & Co, Oporto, Detroit
GRAPHITE—442 bgs, Wyodak Chem Co, to Cleveland
MICA SPLITTINGS—550 cs, General Electric Co, to Schenectady
150 cs, General Electric Co, to Schenectady
42 cs, Heyman & Co, to Norfolk
17 cs, Heyman & Co, to Norfolk
OIL, COTTONSEED—1,050 dms, Canadian Packers, Ltd, Recife, Toronto
PYRITES—2,660 bgs, Oporto, Tacoma
QUEBRACHO EXTRACT—4,041 bgs, American Tanners, Ltd, Buenos Aires, Boston
RAPESEED—170 bgs, Globe Trading Co, Buenos Aires, Montreal
TALC LUMP—165 bgs, B M Steward Mfg Co, to Chattanooga

Baltimore Imports

CHROME ORE—8,457 tons, Lourenco Marques
GASOLINE, AVIATION—83,640 bbls, Asiatic Petroleum Corporation, Aruba
IRON ORE—11,500 tons, Bethlehem Steel Co, Cruz Grande
21,500 tons, Bethlehem Steel Co, Cruz Grande
3,000 tons, Bethlehem Steel Co, Daiquiri
KYANITE ORE—197 tons, Calcutta
MANGANESE ORE—6,700 tons, Rio Janeiro
2,300 tons, Calcutta
3,400 tons, Santiago, Cuba
5,400 tons, Bethlehem Steel Co, Rio Janeiro
3,846 tons, Calcutta
6,000 tons, Rio Janeiro
OIL, FUEL—94,000 bbls, Standard Oil Co N J, Aruba
110,568 bbls, Standard Oil N J, Las Piedras
QUEBRACHO EXTRACT—14,944 bgs, Buenos Aires
SHELLAC—600 bgs, Calcutta

Philadelphia Imports

BONE GRIST—1,758 bgs, Philadelphia National Bank, Buenos Aires
CHROME ORE—3,750 tons, Nuevitas
2,000 tons, Beira
502 tons, Lourenco Marques
COCOA BEANS—2,500 bgs, Tradesman National Bank & Trust Co, Ilheos
3,000 bgs, Irving Trust Co, Ilheos
COCOA BEANS—14,500 bgs, J Henry Schroder Banking Corp, Ilheos
2,500 bgs, Guaranty Trust Co, Bahia
17,500 bgs, J Henry Schroder Banking Corp, Bahia
MOLASSES—1,860,333 gls, Publicker Alcohol Corp, Antilla
1,438,865 gls, Publicker Alcohol Corp, Antilla
442,000 gls, Publicker Alcohol Corp, Banes
1,272,927 gls, E I du Pont de Nemours & Co, Inc, Cienfuegos
141,436 gls, E I du Pont de Nemours & Co, Inc, Cienfuegos
OIL, CASTOR — 20 dms, Chase National Bank, Bahia
NEATSFOOT—54 dms, Reilly, Whiteman, Walton Co, Rio Grande
PETROLEUM—70,000 bbls, Socony Vacuum Trans Co, Aruba
CRUDE—54,027 bbls, Gulf Oil Corp, Las Piedras
80,188 bbls, Gulf Oil Corp, Puerto La Cruz
93,200 bbls, Atlantic Refining Co, Las Piedras
148,149 bbls, Atlantic Refining Co, Cumarebo
80,653 bbls, Gulf Oil Corp, Puerto La Cruz
80,375 bbls, Gulf Oil Corp, Puerto La Cruz
QUEBRACHO EXTRACT—3,704 bgs, The Tannin Corp, Buenos Aires
350 bgs, International Products Corp, Buenos Aires
32,169 bgs, The Tannin Corp, Buenos Aires
ZIRCONIUM ORE — 400 bgs, Philadelphia National Bank, Santos

Exports from U. S. Ports

New Orleans Exports

ACID, STEARIC—37 tons, Havana
ALUMINA SULPHATE—18 tons, Barranquilla
AMMONIA—19 tons, Vera Cruz
SULPHATE—134 tons, Tela
BISULPHIDE—19 tons, Vera Cruz
CASEIN—23 tons, Vera Cruz
CLAY—21 tons, Vera Cruz
BLEACHING—30 tons, Cristobal
GASOLINE — 76 tons, Puerto Barrios; 56 tons, Bluefields; 10 tons, Puerto Limon
KEROSENE — 25 tons, Puerto Barrios; 89 tons, Puerto Limon
LARD—94 tons, Havana
LIME—317 tons, Tela
NAPHTHA — 7 tons, West Coast South America
OIL, COCONUT—43 tons, Cristobal
DIESEL—10 tons, Puerto Barrios; 59 tons, Belize; 84 tons, Ceiba; 70 tons, Puerto Cabezas
FUEL—11 tons, Bluefields; 342 tons, Ceiba
LUBRICATING—14 tons, Belize; 11 tons, Cristobal; 12 tons, Puerto Cabezas; 64 tons, West Coast South America
LUBRICATING AND GREASE—82 tons, Vera Cruz
PALM—34 tons, Ceiba
PARAFFIN — 51 tons, Puerto Limon; 75 tons, Cartagena
QUEBRACHO EXTRACT — 93 tons, Vera Cruz
ROSIN—166 tons, Cristobal
SALT—156 tons, Havana; 49 tons, Cristobal
SODA, CAUSTIC—130 tons, Havana; 29 tons, Tampico; 370 tons, Vera Cruz
STARCH — 24 tons, West Coast South America
SULPHUR—32 tons, Vera Cruz
TURPENTINE—7 tons, West Coast South America

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—10,776 bbls, Stockton; 27,341 bbls, Stockton; 69,347 bbls, Seattle; 51,459 bbls, San Francisco; 14,691 bbls, Oleum; 1,815 bbls, San Diego; 2,031 bbls, San Diego; 2,900 bbls, San Diego; 2,227 bbls, San Diego; 2,523 bbls, San Diego; 988 bbls, San Diego; 42,905 bbls, San Diego
KEROSENE—4,567 bbls, Oleum
OIL, DIESEL — 59,483 bbls, Avon; 11,665 bbls, Seattle; 1,454 bbls, San Diego; 1,630 bbls, San Diego; 8,686 bbls, San Diego
FUEL—71,183 bbls, Seattle; 37,145 bbls, Oleum; 69,432 bbls, Portland; 49,719 bbls, Portland
FURNACE — 4,182 bbls, San Francisco; 4,153 bbls, San Diego

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the folowing articles for the reason stated:—

New York

Week Ended September 10

Balsam, medicinal, 3 cases; restricted use.
Medicinal preparations, 1 parcel; false therapeutic claims.
Medicinal preparations, 1 parcel; new drug.
Poppy seed, 356 bags; insect-infested.
Sage leaves, 215 bags; excess stems.
Sesame seed, 169 bags; insect infested.
Shark livers, 6 crates; decomposed.

Boston

Week Ended September 10

Cod oil, 140 drums; restricted use.
Cocoa beans, 1,944 bags; water damaged.

Los Angeles

Week Ended August 28

Medicinals, 22 pieces; filthy.

Philadelphia

Week Ended September 10

Sesame seed, 200 bags; insect-infested.

Export Managers Discuss Answers to TFR-300

Ambiguity of the Treasury Department's request for information regarding assets in which foreigners hold an interest in American companies was scored last week at a meeting of the Export Managers Club of New York. More than 150 members discussed for two hours the proper method of filling out the Treasury's form, TFR-300, which must be returned by September 30. Many members indicated they would request an extension of the time limit until the doubtful questions had been cleared up.

Typical of the questions which exporters want answered are whether or not goods in transit to foreign buyers should be listed, whether exclusive sales contracts with agents in foreign territories must be included and, if so, what value should be placed on such contracts, and whether outstanding drafts should go into the report. Exporters stated they have tried to have these and many other doubtful points cleared up by Treasury Department officials, but had received no definite rulings.

U.S. Imports From Japan Analysis Being Distributed

The United States Tariff Commission has issued a report entitled, "United States Imports From Japan and Their Relation to the Defense Program and to the Economy of the Country." Copies of the report may be obtained from the commission, Washington.

Export Control System Simplified

—*Continued from page* 5

that general licenses authorizing exportations to numerous foreign countries have been amended to include certain additional commodities. They are:—Animal products; textile fibers and manufactures; nonmetallic minerals; nonferrous metals, and precious metals.

The Secretary of State issued four additional general licenses, authorizing shipments in transit through the United States between other countries of the Western Hemisphere and the U.S.S.R., and between British Empire ports and the U.S.S.R.

U. S. Making Bid For Australian Lead

OPD Washington Bureau
September 10, 1941

Jesse H. Jones, Federal Loan Administrator, today revealed that the Metals Reserve Company was negotiating for the purchase of quantities of lead from Australian interests. Mr. Jones declined to state the quantity of lead involved.

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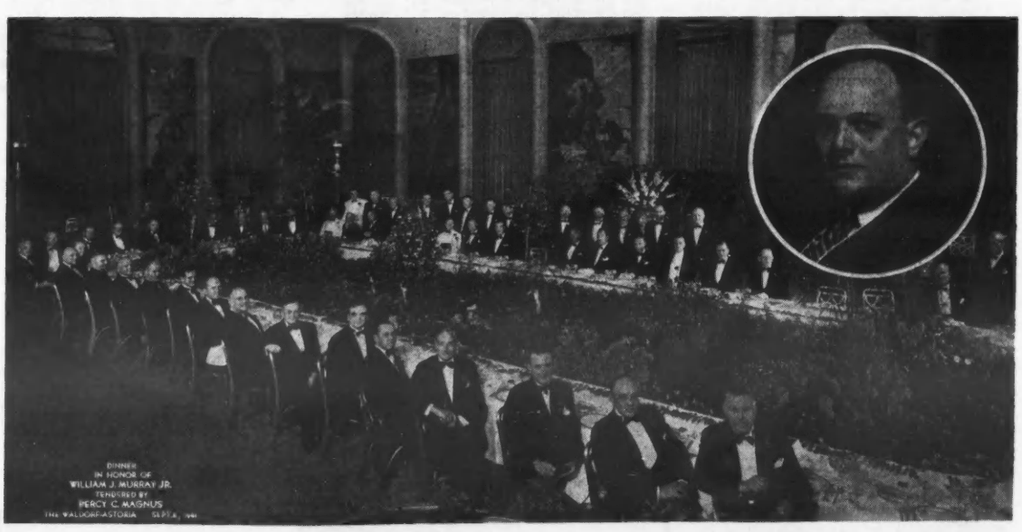

Pictured herewith are guests at dinner tendered in honor of William J. Murray, jr., president of McKesson & Robbins, Inc., by Percy C. Magnus (in oval), president of Magnus, Mabee & Reynard, Inc., in the Sert Room, Waldorf-Astoria, this city, September 4. An account of the affair and names of guests will be found in the September 8 issue of the *Reporter*.

Industrial Uses of Chemicals and Related Materials

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(Parenthetical figures are the numbers of patents in the United States or other countries, as designated)

2-Amino-3:5-di-iodobenzoic Acid

Chemical

New chemical available for experimental use

4-Betadiethylaminoethylamino-5:6-benzoquinolin

Pharmaceutical

Claimed (Brit. 481874) to be—
Useful in destroying blood parasites (malaria), amebae, and worm infections

Butyl Rubber

(Continued from September 8 issue)

Mechanical

Construction material for—
Conveyor belts
Gaskets
Elevator belts
Milk machine tubing
Pipes and fittings (acid resistant)
Power transmission belts
Pumps V belts
Valves

Lining or covering agent for—
Air-drill hose Drums
Conveyor pins Fittings
Conveyor buckets Fire hose
Dishwashing racks
Oil-drilling and loading hose
Paint, spray, welding, and sandblast hose
Pipe Screens
Pumps Steam hose
Perforated metal Tanks
Sand and gravel chutes Tankcars
Valves

Metallurgical

Lining agent for—
Galvanizing equipment
Metal-plating and polishing equipment
Pickling equipment
(See also "Chemical"—many of the applications there listed apply equally to the three above operations; also see "Mechanical")

Military

Construction material for—
Gasmasks

Mining

Abrasion-resistant lining for—
Chutes
Conveyor baskets
Screens
(See also "Mechanical")

Miscellaneous

Construction material for—
Bathmats Gasmasks
Bottles Kneeling mats
Buckets Life preservers
Balloon fabric Mattresses
Dippers Measures
Dipping baskets Pails
Fountain pens Rubber thread
Fire hose Sink stoppers
Fruitjar rings Stamps and pads
Funnels Typewriter pads
Garden hose Waterproofing
Damping agent for—
Sound Vibration

Paint

(See "Chemical")

Paper

Coating agent for—
Paper
(See also "Chemical" and "Mechanical"—many of the applications there listed apply equally to this industry)

Plumbing and Pipefitting

Construction material for—
Fittings Tanks
Gaskets Valves
Packing Washers
Pipe
Lining material for—
Fittings Tanks
Pipe Valves

Rayon

Construction material for—
Spinnerette tubes
Bobbins
(See also "Chemical"—many of the applications there listed apply equally to this industry)

Rubber

Synthetic "rubber" claimed to have following characteristics—
Does not overvulcanize as readily as natural rubber
Molds more readily than natural rubber
The unvulcanized material is quite similar to natural rubber but does not plasticize to as great an extent through working on a mill or in an internal mixer
Vulcanizes with sulphur to give a nonthermoplastic product very similar in appearance to vulcanized natural rubber

Synthetic "rubber" claimed (in the vulcanized state) to compare with natural rubber as follows—
Attack by aromatic solvents and oxygenated solvents is less
Better flex-cracking resistance
Equal tensile strength
Greater elongation
Impermeability to gases is superior
Less resistant to abrasion
Lower modulus
More resistant to deterioration by—
Concentrated nitric and sulphuric acids and other corrosive chemicals
Ozone
More resistant to natural and artificial aging
Poorer resilience at room temperature
Softer in its feel characteristics
Superior vibration dampener
Unaffected by such materials as copper, cobalt, and manganese salts which cause rapid deterioration of natural rubber
Usable in nearly every application of natural rubber
Vegetable oil-attack resistance is superior
Water-absorption resistance is superior

Sanitation

Lining agent for—
Chemical sewage precipitation plant equipment
(See also "Chemical"—many of the applications there listed apply to the above process)

Soap

Construction material for—
Flooring and tires which must resist the chemical action of vegetable oils or corrosive chemicals

Textile

Covering agent for—
Beach rods Fabrics
Dye sticks
Impregnating agent for—
Fabrics
(See also "Chemical"—many of the applications there listed apply equally to this industry)

Therapeutic

Construction material in making—
Hospital and drug-store sundry goods, such as nipples, douche bags, hot-water bottles, spray devices, pans, gloves, pillows, sheets, sanitary goods, heating pads, cushions, syringes, ice bags, catheters, urinals, trusses, suoporters, and innumerable other articles of like application

10-Chlor-3:7-dimethylacridin

Pharmaceutical

Claimed (Brit. 363392, 441007, and 441132) as—
New pharmaceutical product

Dibenzothiophene

Chemical

New chemical available for experimental use

Dihydroxypentadecylic Acid

Chemical

Reactant in—
Organic syntheses
Starting point (Brit. 416631) in making—
Nitriles, with ammonia

Dodecyl Dodecaoxyphthalyl-glycollate

Adhesives

Plasticizer (U.S. 2072739) in—
Adhesive compositions containing cellulose derivatives and resins

Ceramic

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used as coatings for protecting and decorating ceramic products

Chemical

Plasticizer (U.S. 2072739) for—
Cellulose derivatives
Resins

Cosmetic

Plasticizer (U.S. 2072739) in—
Nail enamels and lacquers containing cellulose derivatives and resins as base material

Electrical

Plasticizer (U.S. 2072739) in—
Insulating compositions, containing cellulose derivatives and resins, used for covering wire and in making electrical machinery and equipment

Glass

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

Leather

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods

Metal Fabricating

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used as coatings for protecting and decorating metallic articles

Miscellaneous

Plasticizer (U.S. 2072739) in—
Coating compositions, containing cellulose derivatives and resins, used for protecting and decorating articles of various sorts

Paint, Varnish, and Lacquer

Plasticizer (U.S. 2072739) in—
Paints, varnishes, lacquers, enamels, and dopes containing cellulose derivatives and resins

Paper

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp

Photographic

Plasticizer (U.S. 2072739) in making—
Films from cellulose derivatives

Plastics

Plasticizer (U.S. 2072739) in making—
Laminated fiber products
Molded products
Plastics from or containing cellulose derivatives and resins

Resins

Plasticizer (U.S. 2072739) in making—
Artificial resins

Rubber

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used as coatings for protecting and decorating rubber goods

Stone

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used as coatings for decorating and protecting artificial and natural stone

Textile

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used in the manufacture of coated fabrics

Wood

Plasticizer (U.S. 2072739) in—
Compositions, containing cellulose derivatives and resins, used as protecting and decorative coatings on woodwork

6-Gammahydroxypropyiamino-2-parapropionamidostyryl-1-methylquinolinium Methiodide

Pharmaceutical

Claimed (Brit. 495783) to be—
Therapeutically valuable as a trypanocide more soluble and less toxic than known 2-stryryl-quinolinium salts

Isocrotyl Chloride

Chemical

New chemical available for experimental use

Isobutylundecoisobutylamide

Insecticide

Toxic agent (Brit. 503490 and 503507) in—
Insecticidal preparations

Mono-N-butyrin

Chemical

New chemical available for experimental use

Mono-octyl Glutarate

Lubricant

Claimed (Brit. 500222) as—
Cutting oil base
High-pressure, thin-film lubricant for incorporation in suitable vehicles (hydrocarbon oils or greases)

Papaya Leaves

(Leaves of Carica Papaya)

Food

Substitute for—
Asiatic tea leaves (claimed to have digestive properties owing to the presence of papain)

Propyl-Mercury Phosphate

Rubber

Preservative (Brit. 499578) for—
Latex

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Agents Wanted

SALES-AGENT wanted by New York importers of fertilizers (bone meal, spent bone black, tankage dried blood, cracklings, etc.) to cover territories throughout the United States. Prefer firms experienced in these products and acquainted with consumers. Straight commission basis. Box 363, Oil, Paint and Drug Reporter.

Capital Wanted

AVAILABLE for prompt shipments strategic materials—domestic, Mexican and South American. Letters of credit and $25,000 cash needed for immediate disposition. Exceptional opportunity for partnership only. Box 364, Oil, Paint and Drug Reporter.

Equipment Offered

FOR SALE:—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FOR SALE:—3 12x32 Day 5-roller mills, motor driven; pony mixers, 8 to 80 gals.; 3 Kent 8-in. lab., and 5 Ross, 26-in. stone mills with iron mill feeds; pebble mills, lab. to 700 gals.; Day jumbo 700 and 1,250 gals. jacketed mixers; 30 filter presses, 12 in. to 36 in.; powder mixers, 100 to 2,000 lbs.; W. & P. mixers, lab. to 200 gals.; copper and aluminum kettles, 10 to 250 gals.; dryers; Sweetland filters, etc. Send for complete bulletins. Brill Equipment Corporation, 163 Varick Street, New York City.

CENTRIFUGE 40 in. Tolhurst, copper basket bottom discharge and unloader; 54 in. x 48 in. and 6 ft. x 8 ft. silex lined pebble mills; 235 gal. stainless steel still with condenser. Lawler Company, Metuchen, N. J.

FOR PROMPT DELIVERY: — Sharples No. 6 clarifier, monel bowl; Shriver 18 in. and 24 in. C. I. filter presses; Day 20 gallon jacketed mixer; mixers and sifters to 800 lb. capacity; steel storage tanks 4,000 gallon to 150,000 gallon capacity; cabinet dryers etc. Send us list of your surplus. Machinery & Equipment Corporation, 59 East 4th street, New York City.

Equipment Offered

SULPHONATORS, 2, 1500 gal. heavy construction, with agitators — not jacketed. Now at Newark, N. J.—no dealers. Box 361, Oil, Paint and Drug Reporter.

FOR IMMEDIATE SHIPMENT:—Two W.&P. jack mixers, 150 gal.; pebble and ball mills, lab. to 700 gals.; jar mills, 1 to 15 gal.; 2 truck atmos. dryer; Stokes 2½x8 rotary dryer; 3x8 ft. rotary steam tube dryer; vacuum shelf dryers; Sharples No. 6 super centrifuge; DeLaval No. 700 centrifuge; paste mixers; powder mixers, up to 3,000 lbs.; rotex sifters, five filter presses 32 in. sq., also 12 in. to 48 in. sq.; No. 7 and 10 Sweetland filters; 12x30 and 16x40 in. 3 roll mills; stone mills 16 in. to 36 in., with hoppers; Raymond mills No. 00, 0 and 1; jack, agit. vac. stills; kettles and tanks; vacuum pumps, crushers and pulverizers, centrifugals, tablet machines, disc filters, iron mills; portable agitators; rotary and centrifugal pumps; powder and paste fillers; bottle fillers and washers. Only partial listing. Write for complete bulletins. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

Equipment Wanted

WANTED—Our expansion program requires additional equipment. We need iron and wood filter presses, jacketed kettles, mixer, pulverizer, dryer, etc. No dealers. Send your offerings to BOX 335, Oil, Paint and Drug Reporter.

LABORATORY AUTOCLAVE of about 1 to 2½ gal. cap. for 1,000 to 1,500 lbs. pressure, or more. Carbo Chemical Corp. 71-75 Paris street, Newark, N. J.

WANTED:—An Oliver continuous filter press, 3 ft. diameter by 4 ft. face or larger, preferably with agitator, with or without accessories. A micro pulverizer 8 in. or larger. No dealers. Box 362, Oil, Paint and Drug Reporter.

Factories Offered

FACTORY BUILDING, 3-story. Deposit, N. Y. Construction: heavy concrete blocks, 10,000 feet space bargain. Photograph full particulars on request. Erie Railroad siding 30 feet from premises. Box 356, Oil, Paint and Drug Reporter.

BRICK FACTORY, one story, 5,800 sq. ft., concrete floor with drains, 20 ft. headroom, live steam available, small yard. Unrestricted district in Brooklyn. Low rent. The R. L. Kraft Company, Woolworth Building, Cortlandt 7- 9377.

Manufacturing Wanted

OLD ESTABLISHED firm manufacturing chemicals and chemical specialties interested in manufacturing additional products. Sales connections desirable. Defense materials of interest. BOX 337, Oil, Paint and Drug Reporter.

Materials Offered

FOR SALE dark blood albumen crystals. About 30,000 pounds packed in 100 pound bags. Box 358, Oil, Paint and Drug Reporter.

Materials Wanted

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

Positions Vacant

CHEMIST, with lithographic—printing ink color-matching experience. Give full details as to age, educational background, experience, salary, etc. Location N. J. Box 351, Oil, Paint and Drug Reporter.

Positions Wanted

MECHANIC with 15 years experience reconditioning punches and dies desires steady position with tablet manufacturer who appreciates first class work. A-1 references. Go anywhere. Box 350, Oil, Paint and Drug Reporter.

ABLE SEASONED Chemist, DSc., experienced both as a chemical consultant and as an employee, open for salaried position. Direct experience in practically the entire field of chemical and allied industries. Have directed research and development, have had a long patent experience, have carried on introductory sales work on new products. Very highest references for scientific skill, technical resourcefulness, good judgement, energy and industrial acumen. Box 352, Oil, Paint and Drug Reporter.

PROCUREMENT DIRECTOR with comprehensive knowledge and background of paint, varnish, lacquer raw materials and availability of substitutes. Can assume complete responsibility—will not lean on management except for decisions of policy. Can coordinate supply with production. If you have been short of raw materials this year, you should be interested. Prefers growing progressive concern. Location immaterial if in United States. Box 353, Oil, Paint and Drug Reporter.

AVAILABLE—To some ethical pharmaceutical or specialty manufacturer, a man with a successful record in sales, promotional planning, of pharmaceuticals, biologicals, vitamins, biochemicals, and fine chemicals; knows the markets; has following in U. S., Hawaii, and Alaska, also entree to highest medical circles. Salary secondary consideration; future possibilities more important. BOX 325, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER, seeks responsible position with pigment or paint factory. Diversified research and practical plant experience. Age 34. Box 355, Oil, Paint and Drug Reporter.

Positions Wanted

PERFUME CHEMIST:—American, graduate of foreign universities. Experienced in compounding and duplicating soap and cosmetic odors, developing and manufacturing nationally known cosmetic lines. Thoroughly experienced plant management, production, research, control purchasing raw material cosmetics and pharmaceuticals, seeks position as executive or chemist. BOX 348, Oil, Paint and Drug Reporter.

CHEMIST—EXPERIENCED in the production, development and research of resins, cellulose derivatives, oils, fatty acids, varnishes, synthetics; formulation and compounding of coating compositions and plastic molding powders. Desires position with progressive firm. Box 357, Oil, Paint and Drug Reporter.

SUPERINTENDENT and production manager desires to change position. Twenty-seven years experience. Expert formulator. Thorough knowledge of varnishes, paints, enamels as well as synthetic resin applications. Appreciate opportunity to show worth. Box 359, Oil, Paint and Drug Reporter.

Processes Offered

PROCESS DEVELOPED for a cheap vulcanized rubber paint from scrap rubber. Wish to interest a person in a position to market and manufacture the product. Box 354, Oil, Paint and Drug Reporter.

Processes Wanted

CHEMICAL CONCERN interested in hearing from parties having new developments in synthetic waxes, oils, chemicals, etc., Write fully. Box 360, Oil, Paint and Drug Reporter.

Services Offered

RUM TECHNOLOGIST—Consultant for improvement in plant capacity, yields, and quality of products through special manufacturing methods. Creation of special rum types, including the famous Jamaican. Six years of intensive continuous research in rum manufacture. Rafael Arroyo, Ch. E. & S. E., P.O. Box 136, Rio Piedras, Puerto Rico.

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological records of education and experience to Chemist Advisory Council, Room 811, 60 East 42nd street, New York City.

Surplus Stock

HIGHER MARKETS—Sell now. Wanted—Surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

WANTED ZINC SLUDGES : RESIDUES : PRECIPITATES and SLIMES
Also residues, slimes, metal alloys, and metallic by-products containing Vanadium—Nickel—Tin—Bismuth—Cadmium—Tungsten—Molybdenum
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Trade Briefs

Manufacturers Chemical Corporation, Jersey City, plans the erection of a plant in New Providence, N. J., covering 10,000 square feet.

Great Lakes Carbon Company, Niagara Falls, N. Y., plans an addition to its plant at a cost of $50,000.

Paint & Oil Club of New England will hold its annual Fall outing at the Belmont Country Club September 25.

Everseal Manufacturing Company has completed construction of a new wing to the laboratory at its Ridgefield, N. J., plant. Construction has started on a new filling department and expansion of the warehouse so as to double capacity.

Empire Varnish Company, Cleveland, of which Waterlox of Ohio, Inc., is a subsidiary, observed its twenty-fifth anniversary with a picnic at Painesville Township Park, August 23. R. L. Hawkins has been president of the company since its founding.

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2—Devine 5 ft. by 33 ft. Rotary Vacuum Dryers; other smaller sizes.
1—Oates 10 ft. copper Calandria Pan; other Vacuum Pans, 50 to 500 gals.
12—Ball Mills, 10 gals. to 500 gals.
7—3-Roller Mills, up to 16 by 40.
1—W. & P. Vacuum Mixer, 100 gals, other W. & P., 2 gals. to 2,000 gals.
1—450 gal. Nickel jacketed Kettle,

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Index to Advertisements

Acme Steel Drum Co. —
Advance Solvents & Chemical Corp. 68
Alabama Charcoal Co. —
Alexander, Jerome 53
Alkydol Laboratories, Inc. —
Allied Asphalt & Mineral Corp. 39
American Agricultural Chemical Co. 1
American British Chem. Supplies, Inc. —
American Can Co. —
American Cyanamid & Chemical Corp. 14, 15
American Firstoline Corp. 51
American Flange & Mfg. Co. 9
American Potash & Chemical Corp. 62
Anderson Prichard Oil Corp. 60
Angus, W. W., Inc. —
Ansbacher-Siegle Corp. 40
Apex Chemical Co., Inc. —
Association of Consulting Chemists and Chemical Engineers, Inc. 53
Atlantic Coast Fisheries Co. 50
Atlantic Refining Co. —
Atlas Powder Co. —

Baker, J. T., Chemical Co. 49
Barber Asphalt Co. —
Barium & Chemicals, Inc. 32
Barium Reduction Corp. 30
Barrett Company 34, 61
Bemis Bro. Bag Co. —
Benzol Products Co. —
Berk, F. W., & Co., Inc. —
Binney & Smith Co. —
Brighton Copper Works —
Brode Corp., The 46
Bromund, E. A., Co. —
Bureau of Chemistry 53
Burke, Edw. S. —
Bush Pan-America, Ltd. —
Bush, W. J., & Co., Inc. —

Calco Chemical Division 50
Calif. Fruit Growers Exchange 18, 56, 67
Capital City Products Co. —
Carbide & Carbon Chemicals Corp. 2
Carey, The Philip, Co. —
Chemical Industries, Exposition of 23
Chemical Solvents, C. P., Inc. 68
Chilean Nitrate Sales Corp. —
Church & Dwight Co. 30
Colgate-Palmolive-Peet Co. 52
Colledge, E. W., General Sales Agent. —
Colton, Arthur, Co. 42
Columbia Chemical Division. —
Commercial Solvents Corp. —
Consolidated Products Co., Inc. 66
Consumers Import Co., Inc. 49
Continental Can Co. —
Coupe, Robert A. 42
Cowles Detergent Co. —
Crown Can Co. 24

Darling & Co. 46
Day Chemical Company 53
Desert Chemical Company —
Diamond Alkali Co. 51
Dickhart, W. H. 53
Dodge & Olcott Co. —
Doggett, Stanley, Inc 42
Douglass Sulphur Co. 32
Dow Chemical Co. 25
Dunkel, Paul A., & Co., Inc. 56
DuPont de Nemours, E. I., & Co., Inc. 51
Durez Plastics & Chemicals, Inc. —

Eastman Kodak Co. 52
Edwal Laboratories, Inc. —
Ehrlich, J. 53
Ellis-Foster Co. 53
Emery Industries, Inc. —
Enequist Chemical Co. 32
Faesy & Besthoff, Inc. 68
Felton Chemical Co., Inc. 58
Fezandie & Sperrle 37
First Machinery Corp. 66
Food Research Laboratories, Inc. 53
Foote Mineral Co. 30
Frank-Vliet Co., Inc. —
Franks Chemical Products Co. 41
Freeport Sulphur Co. 62
Fritzsche Bros., Inc. 42, 56
Fulton Bag & Cotton Mills 62

Gartenberg, H., & Co. 37
General Chemical Co. —
General Drug Co. 19
General Electric Co. —
Georgia Kaolin Co. —
Gesell, R., Inc. —
Givaudan-Delawanna, Inc. 48
Golwynne Chemical Corp. 17
Gray, William S., & Co. 1
Gray Industrial Laboratories. 53
Greeff, R. W., & Co. 51
Gross, A., & Co. 45
Gruman, J. B., Co. 64

Hallowell, Horace J. 53
Hardesty, W. C., Co., Inc. —
Harshaw Chemical Co. —
Heekin Can Co. —
Heyden Chemical Corp. 38
Holt, C. J., Co., Inc. 53
Hooker Electrochemical Co. 36
Hopkins, J. L., & Co. 55
House of Wallace. —
Huisking, Chas. L., & Co. —
Hutchinson, D W., & Co., Inc. 57

Imperial Paper & Color Corp. 41
Independent Mfg. Co. —
Industrial Consulting Labs., Inc. 53
Inland Alkaloid Co. 52
Innes, O. G., Corp. 68
Innis, Speiden & Co. 16
International Pulp Co. —
International Selling Corp. —
Irvington Smelting & Refining Works. 60

Jackle, Frank R. —
Jones & Laughlin Steel Corp. 36
Jungmann & Co., Inc. —

Kachurin Drug Co. —
Kelco Co. 55
Kentucky Color & Chemical Co. 43
Kessler Chemical Co., Inc. —
Khosrovshahi, Morteza 56
Knight, B. H. 53
Koppers Company 35
Krebs Pigment & Color Corp. —

Laning, E. M., Co. 53
LaWall & Harrisson 53
Leghorn Trading Co. 52
Lemke, B. L., Fine & Rare Chemicals. 52
Leonhard, Theodor, Wax Co., Inc. —
Lueders, George, & Co. 57

Magnetic Pigment Co. —
Magnus, Mabee & Reynard, Inc. 57
Mallinckrodt Chemical Works. 6
Mantrose Corp. —
Marine Magnesium Products Corp. 51
Mathieson Alkali Works, Inc. 11
McKesson & Robbins, Inc. —
Menhaden Fish Products Co. 46
Mercantile Import & Export Corp. —
Merck & Co., Inc. 48
Metallurgical Products Co. —
Metasap Chemical Co. 40
Meyer, Herman, Drug Co., Inc. —
Michigan Alkali Co. —
Millmaster Chemical Co. 68
Mills, Zophar, Inc. —
Minnesota Specialty Co. —
Molnar Laboratories. 53
Monsanto Chemical Co. —
Munch, James C. 53
Mutual Chemical Co. of America. 37

Napthole, Inc. 37
National Aniline & Chemical Co., Inc. —
National Box & Lumber Co. —
National Lead Co. —
National Milk Sugar Co. 52
National Rosin Oil & Size Co. 42
Natural Products Refining Co. 37
Neuberg Chemical Corp. 50
Neville Co. 40
New Jersey Zinc Co. —
N. Y. Quinine & Chemical Works, Inc. —
Niacet Chemicals Corp. —
Niagara Alkali Corp. —

Oil States Petroleum Co., Inc. —
Oldbury Electro-Chemical Co. 32
Orbis Products Corp. 52
Orthmann Laboratories, Inc. 53
Osborn, C. J., Co. —

Pacific Alkali Co. —
Pacific Coast Borax Co. 1
Pacific Vegetable Oil Corp. —
Paramet Chemical Corp. 39
Parsons, M. W. 42
Penick, S. B., & Co. 54
Pennsylvania Coal Products Corp. —
Pennsylvania Industrial Chem. Corp. 41
Pennsylvania Refining Corp. —
Pennsylvania Salt Mfg. Co. —
Pfaltz & Bauer, Inc. —
Pfizer, Chas., & Co., Inc. 29
Phelps Dodge Refining Co. —
Philadelphia Quartz Co. 32
Phosphate Mining Co. 30
Pittsburgh Plate Glass Co. —
Polachek, Z. H. 53
Potash Co. of America. 61
Prentiss, R. J., & Co. 56
Prior Chemical Corp. 1
Procter & Gamble 45, 50
Publicker Commercial Alcohol Co. 1
Purdy, W. S., Inc. 53
Pure Calcium Products Division. 1
Purocaine Chemical Co. —

Raisch, John E., & Co. 53
Reed-Blair Laboratories. 53
Reichhold Chemicals, Inc. 13
Republic Steel Corp. 36
Rheem Mfg. Co. 46
Robinson Wagner Co. 47
Rosenthal, H. H., Co., Inc. —
Rufert Chemical Co. 17

Sadtler, Samuel P., & Sons, Inc. 53
St. Joseph Lead Co. —
Schuylkill Chemical Co. 51
Schwarz Laboratories, Inc. 53
Seil, Putt & Rusby, Inc. 53
Seydel Chemical Co. 52
Sharples Chemicals, Inc. 68
Sheffield Bronze & Powder Co. 42
Shell Oil Co. —
Sherwood Refining Co., Inc. 59
Silsle, E. A., Corp. 57
Skelly Oil Co. —
Smith, Kline & French Labs. —
Snell, Foster D., Inc. 53
Socony-Vacuum Oil Co., Inc. 40
Solvay Sales Corp. 22
Sonneborn, L., Sons, Inc. —
Southern Acid & Sulphur Co., Inc. —
Sparkler Mfg. Co. —
Standard Alcohol Co. 41
Standard Brands, Inc. —
Standard Oil Co. of Calif. —
Standard Specialty & Tube Co. 52
Standard Synthetics, Inc. 57
Standard Ultramarine Co. 42
Stauffer Chemical Co. 32
Stillman & Van Sicien, Inc. 53
Stillwell & Gladding 53
Strocck & Wittenberg Corp. 42
Sun Oil Co. 21

Taintor Trading Co., Inc. —
Tamms Silica Co., Inc. —
Tar & Chemical Div. of Koppers Co. 35
Tar Residuals, Ltd. 36
Tennessee Corp. —
Texas Gulf Sulphur Co., Inc. —
Thompson-Hayward Chemical Co. —
Thornton, The F. C., Co. —
Thurston & Braidich. 56
Titanium Pigment Corp. 27
Todd, A. M., Co. —
Tombarel Products Corp. 57
Truesdall Laboratories, Inc. 53
Turner, Joseph, & Co. 59

Union Carbide & Carbon Corp. 2
U. S. Industrial Chemicals, Inc. —
United States Potash Co. 61

Vanderbilt, R. T., & Co., Inc. —
Van Schaack Chemical Works, Inc. 57
Victor Chemical Works. 32
Viking Distributing Co. 52
Vitro Mfg. Co. —
Vol-U-Meter Co. —

Wah Chang Trading Corp. 46
Warner Chemical Co. —
Weil, Rene. 32
Weiss & Downs, Inc. 53
Wet Ground Mica Assn., Inc. —
White Tar Co. of N. J. 33
Wiley & Co., Inc. 53
Will & Baumer Candle, Co., Inc. 47
Williams, C. K., & Co. —
Wilson Carbon Co. —
Wilson-Martin Division. 46
Wishnick-Tumpeer, Inc. —
Woburn Degreasing Co. of N. J. —
Wolf, Jacques, & Co. —
Wood Preserving Corp. 35
Wood Ridge Division. —

Zinsser & Co., Inc. 30
Zophar Mills, Inc. —

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